

# Service Service Service

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# ServiceManual

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## IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Philips Consumer Electronics Company\*\* Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various **CAUTIONS** and **NOTICES** which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these **CAUTIONS** and **NOTICES ARE NOT EXHAUSTIVE**. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done, or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.


\*\* Hereafter throughout this manual, Philips Consumer Electronics Company will be referred to as Philips.

## WARNING

Critical components having special safety characteristics are identified with a  or "S" by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  on the schematics or exploded views. Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

\* Broken Line \_\_\_\_\_

## FIRE AND SHOCK HAZARD

1. Be sure all components are positioned in such a way as to avoid the possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the service shop.
2. Never release a repaired unit unless all protective devices such as insulators, barriers, covers, strain reliefs, and other hardware have been installed in accordance with the original design.
3. Soldering and wiring must be inspected to locate possible cold solder joints, solder splashes, sharp solder points, frayed leads, pinched leads, or damaged insulation (including the ac cord). Be certain to remove loose solder balls and all other loose foreign particles.
4. Check across-the-line components and other components for physical evidence of damage or deterioration and replace if necessary. Follow original layout, lead length, and dress.
5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces or edges must be avoided.
6. Critical components having special safety characteristics are identified with an 'S' by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  on the schematic diagrams and /or exploded views.
7. When servicing any unit, always use a separate isolation transformer for the chassis. Failure to use a separate isolation transformer may expose you to possible shock hazard, and may cause damage to servicing instruments.
8. Many electronic products use a polarized ac line cord (one wide pin on the plug). Defeating this safety feature may create a potential hazard to the servicer and the user. Extension cords which do not incorporate the polarizing feature should never be used.
9. After reassembly of the unit, always perform an ac leakage test or resistance test from the line cord to all exposed metal parts of the cabinet. Also, check all metal control shafts (with knobs removed), antenna terminals, handles, screws, etc., to be sure the unit may be safely operated without danger of electrical shock.

\* **Broken line** \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_

## LEAKAGE CURRENT COLD CHECK

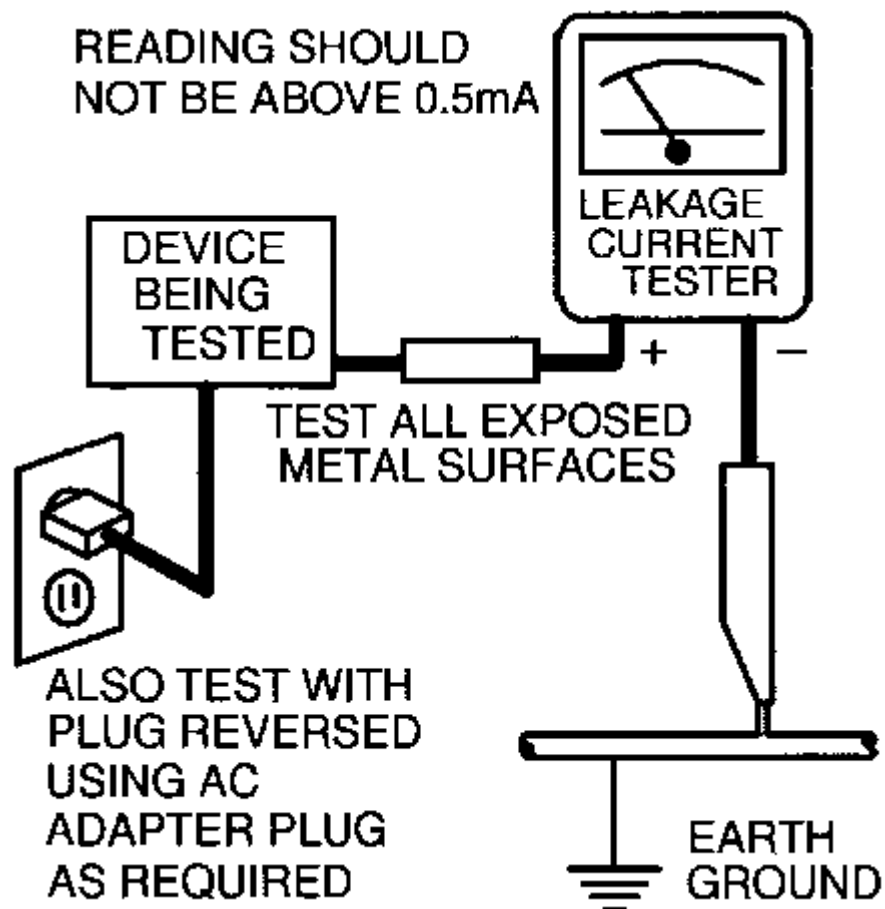
1. Unplug the ac line cord and connect a jumper between the two prongs of the plug.
2. Turn on the power switch.
3. Measure the resistance value between the jumpered ac plug and all exposed cabinet parts of the receiver, such as screw heads, antennas, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be between 1 megohm and 5.2 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity. Remove the jumper from the ac line cord.

## LEAKAGE CURRENT HOT CHECK

1. Do not use an isolation transformer for this test. Plug the completely reassembled receiver directly into the ac outlet.
2. Connect a 1.5k, 10W resistor paralleled by a 0.15uF. capacitor between each exposed metallic cabinet part and a good earth ground such as a water pipe, as shown below.
3. Use an ac voltmeter with at least 5000 ohms/volt sensitivity to measure the potential across the resistor.
4. The potential at any point should not exceed 0.75 volts. A leakage current tester may be used to make this test; leakage current must not exceed 0.5mA. If a measurement is outside of the specified limits, there is a possibility of shock hazard. The receiver should be repaired and rechecked before returning it to the customer.
5. Repeat the above procedure with the ac plug reversed. (Note: An ac adapter is necessary when a polarized plug is used. Do not defeat the polarizing feature of the plug.)

## OR

With the instrument completely reassembled, plug the ac line cord directly into a 120Vac outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument ac switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See the graphic below.



# TV SAFETY NOTES

## SAFETY CHECKS

After the original service problem has been corrected, a complete safety check should be made. Be sure to check over the entire set, not just the areas where you have worked. Some previous servicer may have left an unsafe condition, which could be unknowingly passed on to your customer. Be sure to check all of the following:

- Fire and Shock Hazard
- Implosion
- X-Radiation
- Leakage Current Cold Check
- Leakage Current Hot Check
- Picture Tube Replacement
- Parts Replacement

**WARNING:** Before removing the CRT anode cap, turn the unit OFF and short the HIGH VOLTAGE to the CRT DAG ground.

**SERVICE NOTE:** The CRT DAG is not at chassis ground.

## IMPLOSION

1. All picture tubes used in current model receivers are equipped with an integral implosion system. Care should always be used, and safety glasses worn, whenever handling any picture tube. Avoid scratching or otherwise damaging the picture tube during installation.
2. Use only replacement tubes specified by the manufacturer.

## X-RADIATION

1. Be sure procedures and instructions to all your service personnel cover the subject of X-radiation. Potential sources of X-rays in TV receivers are the picture tube and the high voltage circuits. The basic precaution which must be exercised is to keep the high voltage at the factory recommended level.
2. To avoid possible exposure to X-radiation and electrical shock, only the manufacturer's specified anode connectors must be used.
3. It is essential that the service technician has an accurate HV meter available at all times. The calibration of this meter should be checked periodically against a reference standard.
4. When the HV circuitry is operating properly there is no possibility of an X-radiation problem. High voltage should always be kept at the manufacturer's rated value - no higher - for optimum performance. Every time a color set is serviced, the brightness should be run up and down while monitoring the HV with a meter to be certain that the HV is regulated correctly and does not exceed the specified value. We suggest that you and your technicians review test procedures so that HV and HV regulation are always checked as a standard servicing procedure, and the reason for this prudent routine is clearly understood by everyone. It is important to use an accurate and reliable HV meter. It is recommended that the HV reading be recorded on each customer's invoice, which will demonstrate a proper concern for the customer's safety.

5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, reduce the line voltage by means of a Variac to bring the HV into acceptable limits while troubleshooting. Do not operate the chassis longer than necessary to locate the cause of the excessive HV.
6. New picture tubes are specifically designed to withstand higher operating voltages without creating undesirable X-radiation. It is strongly recommended that any shop test fixture which is to be used with the new higher voltage chassis be equipped with one of the new type tubes designed for this service. Addition of a permanently connected HV meter to the shop test fixture is advisable. The CRT types used in these new sets should never be replaced with any other types, as this may result in excessive X-radiation.
7. It is essential to use the specified picture tube to avoid a possible X-radiation problem.
8. Most TV receivers contain some type of emergency "Hold Down" circuit to prevent HV from rising to excessive levels in the presence of a failure mode. These various circuits should be understood by all technicians servicing them, especially since many hold down circuits are inoperative as long as the receiver performs normally.

## **PICTURE TUBE REPLACEMENT**

The primary source of X-radiation in this television receiver is the picture tube. The picture tube utilized in this chassis is specially constructed to limit X-radiation emissions. For continued X-radiation protection, the replacement tube must be the same type as the original, including suffix letter, or a Philips approved type.

## **PARTS REPLACEMENT**

Many electrical and mechanical parts in Philips television sets have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. The use of a substitute part which does not have the same safety characteristics as the Philips recommended replacement part shown in this service manual may create shock, fire, or other hazards.

## **PRODUCT SAFETY GUIDELINES FOR ALL PRODUCTS**

**CAUTION:** Do not modify any circuit. Service work should be performed only after you are thoroughly familiar with all of the following safety checks. Risk of potential hazards and injury to the user increases if safety checks are not adhered to.

**USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.**

## PREVENTION OF ELECTROSTATIC DISCHARGE (ESD)

Some semiconductor solid state devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate an electrical charge sufficient to damage ES devices.
5. Do not use Freon propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

**CAUTION:** Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your feet from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device.)

### **NOTE to CATV system Installer:**

This reminder is provided to call the CATV system installer's attention to article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.



## PRACTICAL SERVICE PRECAUTIONS

**IT MAKES SENSE TO AVOID EXPOSURE TO ELECTRICAL SHOCK.** While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.

**ALWAYS RESPECT VOLTAGES.** While some may not be dangerous in themselves, they can cause unexpected reactions – reactions that are best avoided. Before reaching into the powered color TV set, it is best to test the high voltage insulation. It is easy to do, and is just a good service precaution.

**BEFORE POWERING UP THE TV WITH THE BACK OFF** (or on a test fixture), attach a clip lead to the CRT DAG ground and to a screwdriver blade that has a well insulated handle. After the TV is powered on and high voltage has developed, probe the anode lead with the blade, starting at the bottom of the High Voltage Transformer (flyback – IFT). Move the blade to within two inches of the connector of the CRT. **IF THERE IS AN ARC, YOU FOUND IT THE EASY WAY, WITHOUT GETTING A SHOCK!** If there is an arc to the screwdriver blade, replace the High Voltage Transformer or the lead, (if removable) whichever is causing the problem.

## PICTURE TUBE REPLACEMENT PROCEDURE

Note: a. Two (2) people are required to handle this picture tube.  
b. Safety Glasses must be worn during this procedure or whenever directly handling a picture tube.  
c. Take care in each step not to damage the CRT or the cabinet.

1. Remove the Chassis and the CRT Socket Board Module from the cabinet.
2. A furniture pad or blanket should be positioned on the floor to support only the CRT Face. This pad or blanket should be high enough to keep the CRT Face approximately 12 to 14 inches off the floor.
3. Using two people, place the cabinet in a front down position with the CRT Face on the pad or blanket.
4. Place padded blocks under each corner of the cabinet to keep it from rocking.
5. Remove the four screws, at the corners of the CRT.
6. With two people lowering the cabinet to the floor, leave the CRT elevated by the pad or blanket.

Note: Take care not to grasp the neck of the CRT during this procedure, as it is extremely fragile.

7. Two (2) people may then lift the CRT from the cabinet.
  8. Remove the degaussing coil from the defective CRT and mount on the replacement. Take care to maintain the exact shape and fit.
- To install the new CRT, reverse steps 1 to 7.

# Mechanical Instructions

## Index of this chapter:

1. Service Position
2. Rear Cover Removal
3. Power Supply Unit Removal
4. TV & Scaler Board Removal
5. I/O Panel Removal
6. Side I/O & Keyboard Panel and Front LED Panel Removal
7. Exchanging the LCD Panel
8. Re-assembly

**Note:** Figures below can deviate from the actual situation, due to different set executions.

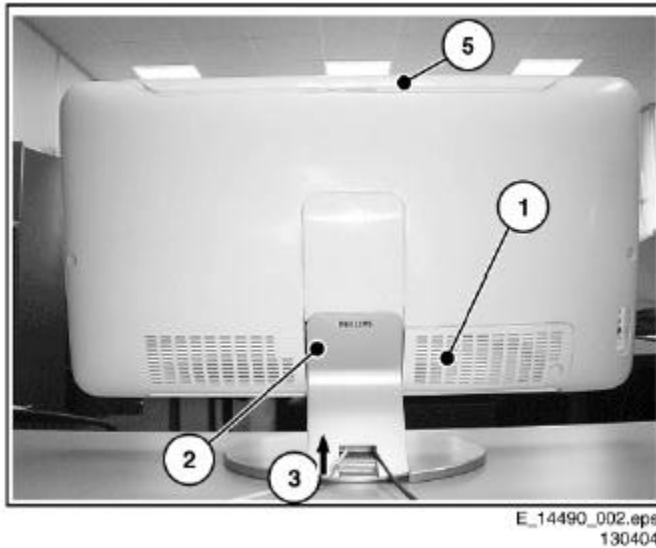
**Note:** To diagnose the set with ComPair it is **not** needed to open the set entirely.

1. Manually unlock and remove the cover cap (1). See figure “TV set rear view”.
2. Break away the protective plate (2) at the I/O panel bracket to get access to the needed plugs. See figure “Protective plate”.

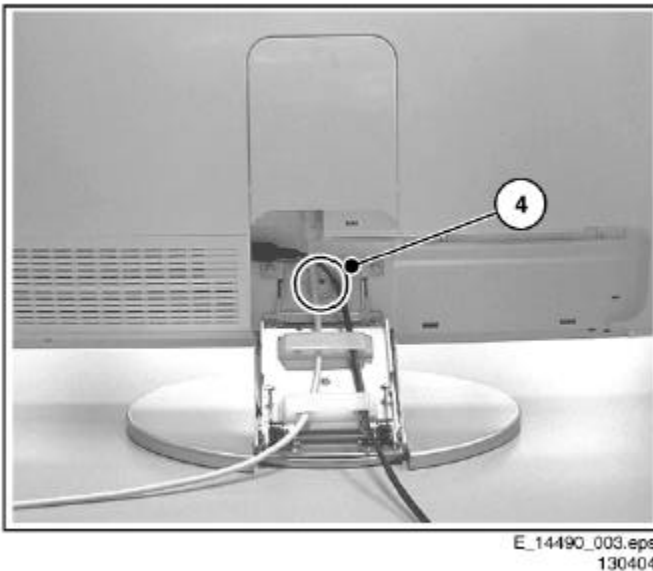


**Figure: Protective plate**

## Service Position



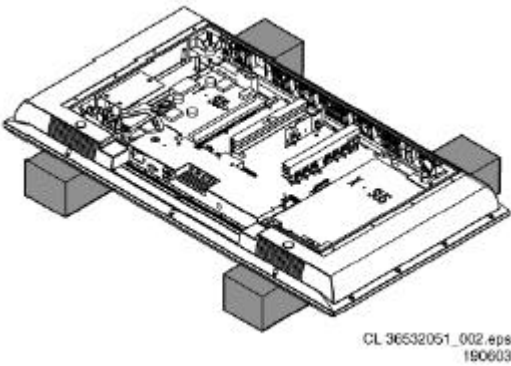
**Figure: TV set rear view**



**Figure: TV stand removal**

1. Carefully pull upwards the cover plate (2) (from its left side) to unlock it (3) and remove the plate from the stand.
2. Unplug the AC power and the antenna cables.
3. Be sure to remove the coin slotted mounting screw (4) from the stand.
4. Carefully lift the TV from the swivel base (it uses a vertical sliding mechanism).
5. Place the TV upside down on a tabletop (use a protection sheet or foam bars). Take care, that this is flat and free from obstacles like screws, to prevent damaging the fragile LCD screen.

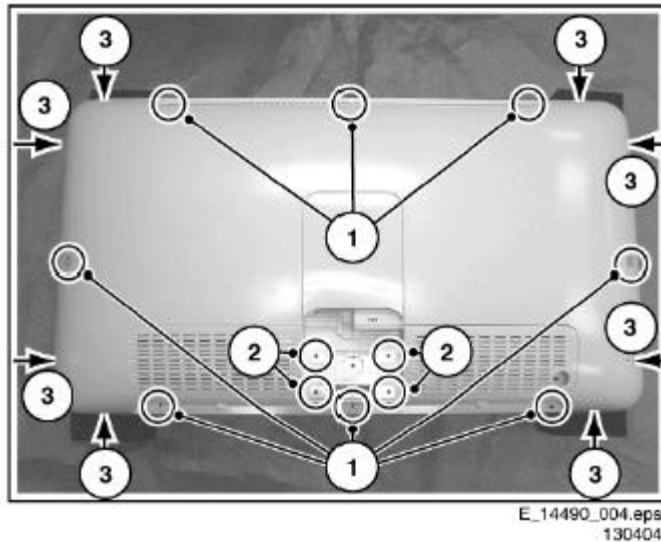
## Foam Bars



**Figure: Foam bars**

The foam bars (order code 3122 785 90580) can be used for all types and sizes of Flat TVs. By laying the plasma or LCD TV flat on the (ESD protective) foam bars, a stable situation is created to perform measurements and alignments. By placing a mirror under the TV, you can easily monitor the screen.

## Rear Cover Removal

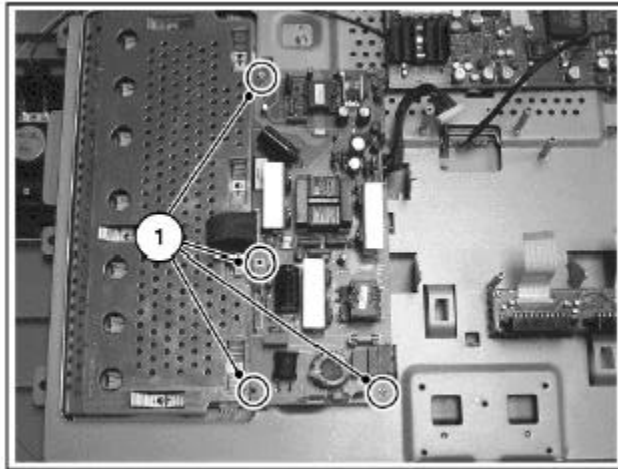


**Figure: Rear cover removal**

1. Manually unlock and remove the top cover cap (5). See Figure: "TV set rear view".
2. Make sure all power-, audio-, video- and coax- cables are unplugged.
3. Remove all Torx screws (1) around the edges of the rear cover.
4. Remove the four silver coloured Torx screws (2) around the stand holder. See figure "Rear cover removal".
5. Carefully use a flat screwdriver to release the clamps (3). See figure "Rear cover removal".
6. Remove the rear cover and store it in a safe place.

**Note:** avoid holding the button-area during removal (it can be easily damaged).

# Power Supply Unit Removal

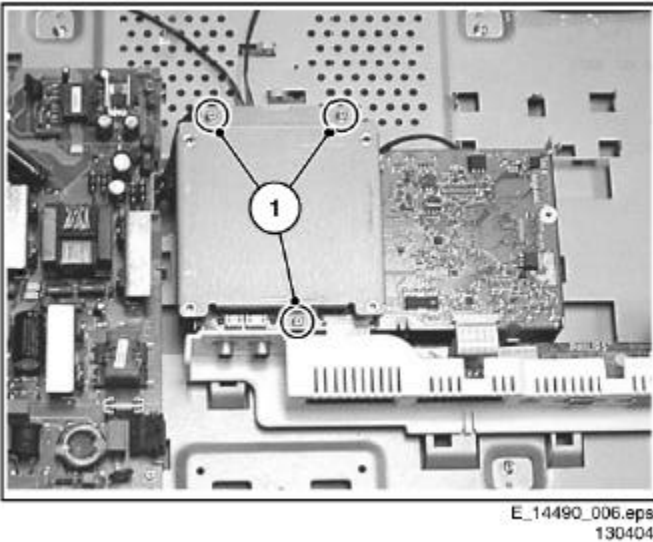


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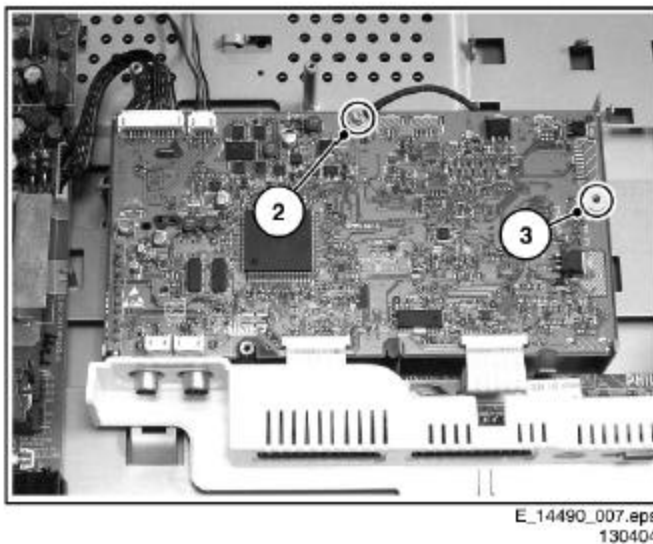
**Figure: Power supply unit**

1. Disconnect all cables from the Power supply unit.
2. Remove all mounting screws (1) from the Power supply unit.
3. Take out the Power supply unit.

## TV & Scaler Board Removal



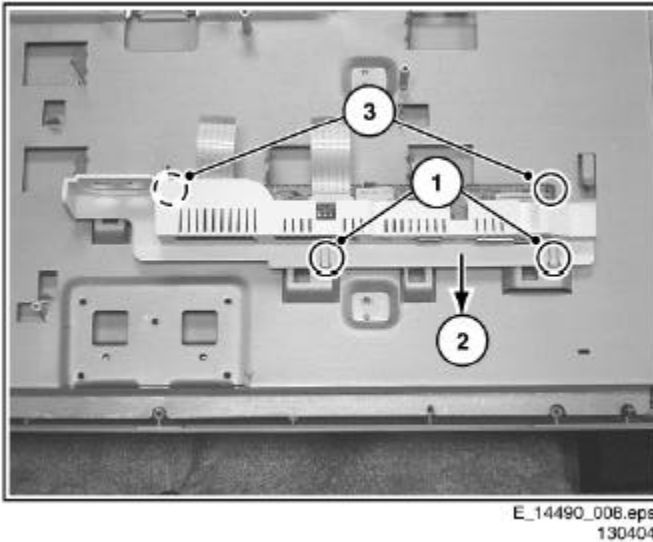
**Figure: TV & Scaler board shield removal**



**Figure: TV & Scaler board removal**

1. Disconnect all cables from the TV & Scaler board.
2. Remove all shield mounting screws (1) and remove the shield.
3. Remove the screw from the grounding cable (2).
4. Remove the mounting screw (3) and remove the board.

## I/O Panel Removal



**Figure: I/O panel removal**

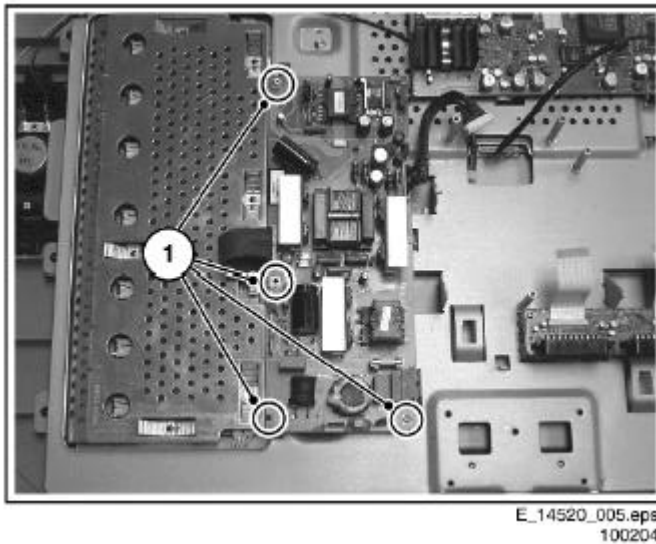
1. Release the two clamps (1) at the I/O panel bracket. Carefully pull the bracket in the direction (2), as shown at the figure "I/O panel removal", and remove it.
2. Disconnect all cables from the I/O panel.
3. Remove all mounting screws from the I/O panel (3).
4. Take out the I/O panel.

## 3D Comb Filter Panel Removal

1. Disconnect all cables from the 3D Comb Filter panel.
2. Remove all mounting screws from the 3D Comb filter panel.
3. Take out the 3D Comb filter panel.



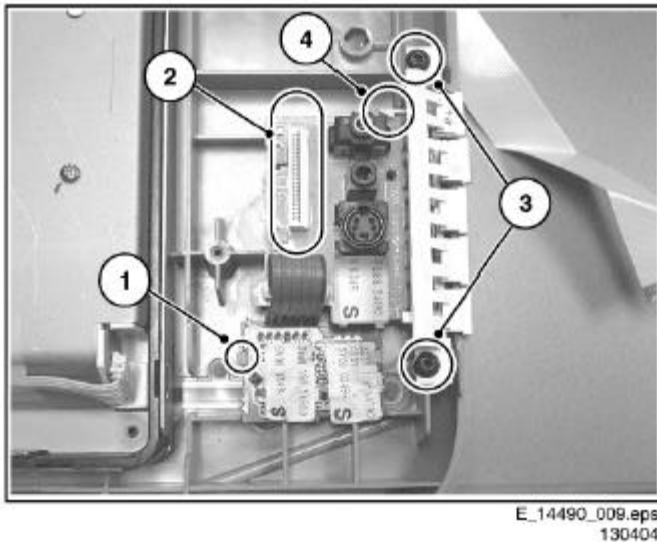
## Pixel Plus Panel Removal



**Figure: Power supply unit**

1. Disconnect all cables from the Pixel Plus panel.
2. Remove all mounting screws from the Pixel Plus panel.
3. Take out the Pixel Plus panel.

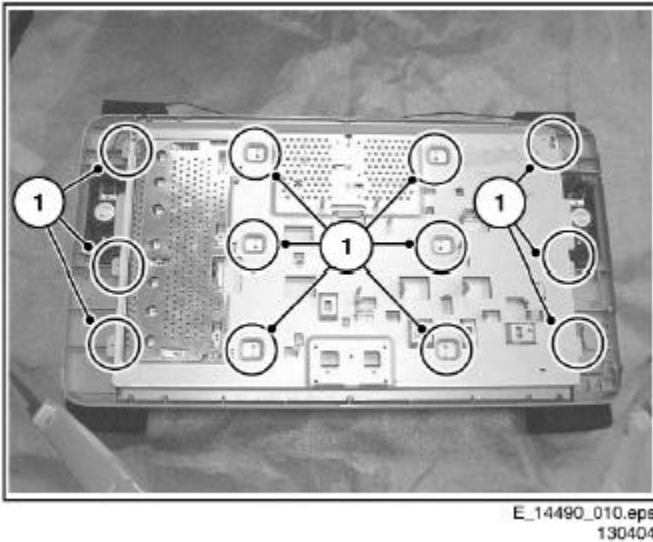
## Side I/O & Keyboard Panel / Front LED Panel Removal



**Figure: Side I/O & Keyboard panel and Front LED panel removal**

1. Release the clamp (1) and take out the Front LED panel.
2. Disconnect the cable (2) from the Side I/O & Keyboard panel.
3. Remove all mounting screws (3) from the Side I/O & Keyboard panel bracket.
4. Unlock this unit by shifting it to the outside direction of the monitor.
5. Release the clamp (4) and take out the Side I/O & Keyboard panel from the bracket.

## Exchanging the LCD Panel



**Figure: Exchanging the LCD panel**

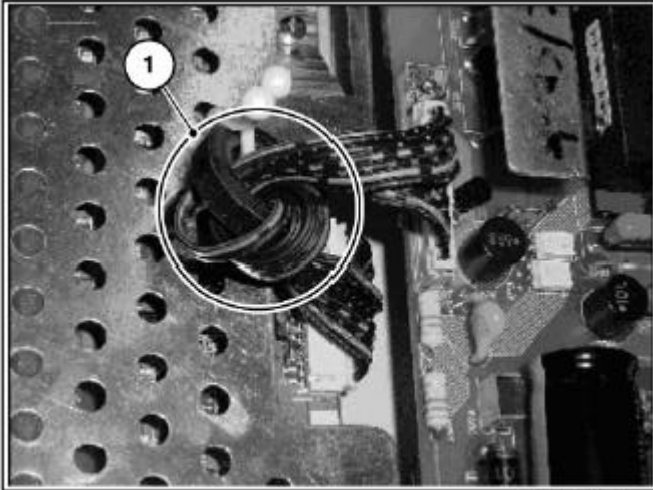
1. Disconnect all cables from the LCD Panel.
2. Remove all mounting screws (1) from the metal cover.
3. Lift and take off the metal cover.
4. Now you can exchange the LCD panel.

## Re-Assembly

To re-assemble the whole set, do all processes in reverse order.

### Notes:

- Do **not** forget to replace the ground cable of the TV & Scaler board, while mounting the screw at the board topside. See figure "TV & Scaler board shield removal".
- Make sure the ferrite ring (1) is properly tightened to the clip (this is valid only for 26 inch sets).



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**Figure: Ferrite ring**

# Service Modes, Error Codes, and Fault Finding

Index of this chapter:

1. Test Points
2. Service Modes
3. Problems and Solving Tips (related to CSM)
4. ComPair
5. Error Codes
6. The Blinking LED Procedure
7. Fault Finding and Repair Tips
8. Power Supply

## Test Points

This chassis is equipped with test points in the service printing. In the schematics test points are identified with a rectangle box around Fxxx or Ixxx. These test points are specifically mentioned in the service manual as “half moons” with a dot in the centre.

Perform measurements under the following conditions:

- Television set in Service Default Alignment Mode.
- Video input: Colour bar signal.
- Audio input: 3 kHz left channel, 1 kHz right channel.

## Service Modes

Service Default mode (SDM) and Service Alignment Mode (SAM) offers several features for the service technician, while the Customer Service Mode (CSM) is used for communication between the call centre and the customer.

This chassis also offers the option of using ComPair, a hardware interface between a computer and the TV chassis. It offers the abilities of structured troubleshooting, error code reading, and software version readout for all chassis.

*Minimum requirements for ComPair:* a Pentium processor, a Windows OS, and a CD-ROM drive (see also paragraph 'ComPair').

## Service Default Mode (SDM)

### Purpose

- To create a predefined setting for measurements to be made.
- To override software protections.
- To start the blinking LED procedure.
- To inspect the error buffer.
- To check the life timer.

### Specifications

- Tuning frequency: 61.25 MHz (Channel 3).
- Colour system: NTSC.
- All picture settings at 50% (brightness, colour contrast, hue).
- Bass, treble and balance at 50 %; volume at 25 %.
- All service-unfriendly modes (if present) are disabled. The service unfriendly modes are:
  - Timer / Sleep timer.
  - Child / parental lock.
  - Blue mute.
  - Hotel / hospital mode.
  - Auto shut off (when no "IDENT" video signal is received for 15 minutes).
  - Skipping of non-favourite presets / channels.
  - Auto-storage of personal presets.
  - Auto user menu time-out.
  - Auto Volume Levelling (AVL).

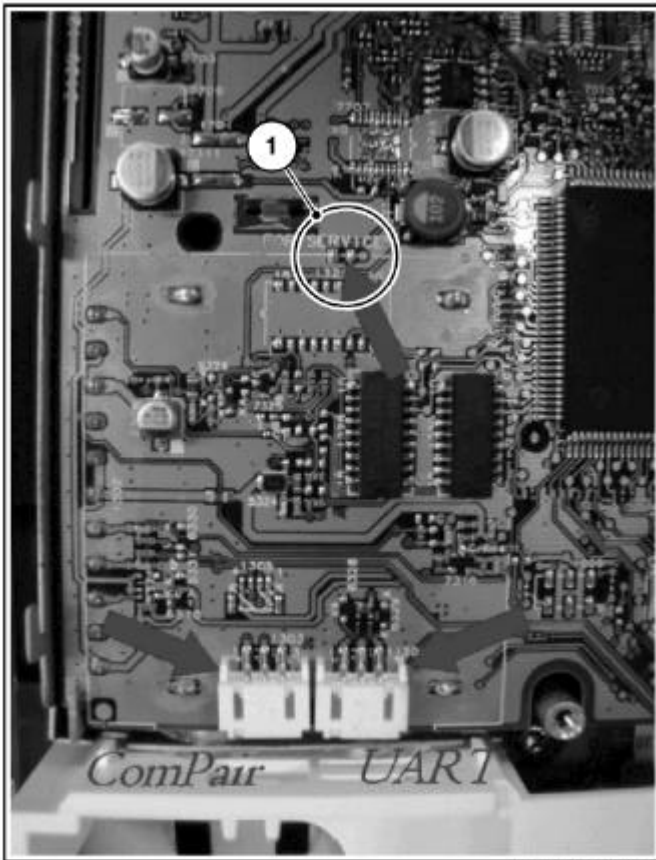
### How to enter

To enter SDM, use one of the following methods:

- Press the following key sequence on the remote control transmitter: "062596" directly followed by the MENU button (do not allow the display to time out between entries while keying the sequence).
- Short 'Service' jumpers on the TV board during cold start and apply mains (see Figure 'Service jumpers'). Then press the mains button (remove the short after start-up).

**Caution:** Entering SDM by shorting 'Service' jumpers will override the +8V-protection. Do this only for a short period. When doing this, the service-technician must know exactly what he is doing, as it could damage the television set.

- Or via ComPair.



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**Figure: Service jumpers**

After entering SDM, the following screen is visible, with SDM in the upper right corner of the screen to indicate that the television is in Service Default Alignment Mode.



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**Figure: SDM menu**

### **How to navigate**

Use one of the following methods:

- When you press the MENU button on the remote control, the set will switch on the normal user menu in the SDM mode.
- On the TV, press and hold the VOLUME DOWN and press the CHANNEL DOWN for a few seconds, to switch from SDM to SAM and reverse.

### **How to exit**

Switch the set to STANDBY by pressing the 'POWER' button on the remote control transmitter or press the 'POWER' switch on the set.

## **Service Alignment Mode (SAM)**

### **Purpose**

- To change option settings.
- To display / clear the error code buffer.
- To perform alignments.

### **Specifications**

- Operation hours counter (maximum five digits displayed).
- Software version, Error codes, and Option settings display.
- Error buffer clearing.
- Option settings.
- AKB switching.
- Software alignments (Tuner, White Tone, Geometry & Audio).
- NVM Editor.
- ComPair Mode switching.

### **How to enter**

To enter SAM, use one of the following methods:

- Press the following key sequence on the remote control transmitter: "062596" directly followed by the OSD/STATUS button (do not allow the display to time out between entries while keying the sequence).
- Or via ComPair.

After entering SAM, the following screen is visible, with SAM in the upper right corner of the screen to indicate that the television is in Service Alignment Mode.



**Figure: SAM menu**



### **Menu explanation**

1. **LLLLL**. This represents the run timer. The run timer counts normal operation hours, but does not count standby hours.
2. **AAABCD-X.Y/EEEEEE F.GG** This is the software identification of the main microprocessor:
  - **A** = the project name (LC42).
  - **B** = the region: E= Europe, A= Asia Pacific, U= NAFTA, L= LATAM.
  - **C** = the software diversity:
  - **Europe**: T= 1 page TXT, F= Full TXT, V= Voice control.
  - **LATAM and NAFTA**: N= Stereo non-dBx, S= Stereo dBx.
  - **Asian Pacific**: T= TXT, N= non-TXT, C= NTSC.
  - **ALL regions**: M= mono, D= DVD, Q= Mk2.
  - **D** = the language cluster number.
  - **X** = the main software version number (updated with a major change that is incompatible with previous versions).
  - **Y** = the sub software version number (updated with a minor change that is compatible with previous versions).
  - **EEEEEE** = the scaler sw cluster
  - **F** = the main sw version no.
  - **GG** = the sub-version no.
3. **SAM**. Indication of the Service Alignment Mode.
4. **Error Buffer**. Shows all errors detected since the last time the buffer was erased. Five errors possible.
5. **Option Bytes**. Used to set the option bytes. See “Options” in the Alignments section for a detailed description. Seven codes are possible.
6. **Clear**. Erases the contents of the error buffer. Select the CLEAR menu item and press the MENU RIGHT key. The content of the error buffer is cleared.
7. **Options**. Used to set the option bits. See “Options” in the Alignments section for a detailed description.
8. **AKB**. Used to disable (Off) or enable (On) the “black current loop” (AKB= Auto Kine Bias).
9. **Tuner**. Used to align the tuner. See “Tuner” in the Alignments section for a detailed description.
10. **White Tone**. Used to align the white tone. See “White Tone” in the Alignments section for a detailed description.
11. **Geometry**. Used to align the geometry settings of the television. See “Geometry” in the Alignments section for a detailed description.
12. **Audio**. No audio alignment is necessary for this television set.
13. **NVM Editor**. Can be used to change the NVM data in the television set. See table “NVM data” further on.
14. **SC NVM Editor**. Can be used to edit Scaler NVM.
15. **ComPair**. Can be used to switch on the television to In System Programming (ISP) mode, for software uploading via ComPair. **Caution**: When this mode is selected without ComPair connected, the TV will be blocked. Remove the AC power to reset the TV.

### **How to navigate**

- In SAM, select menu items with the MENU UP/DOWN keys on the remote control transmitter. The selected item will be highlighted. When not all menu items fit on the screen, use the MENU UP/DOWN keys to display the next / previous menu items.
- With the MENU LEFT/RIGHT keys, it is possible to:
  - Activate the selected menu item.
  - Change the value of the selected menu item.
  - Activate the selected submenu.
- In SAM, when you press the MENU button twice, the set will switch to the normal user menus (with the SAM mode still active in the background). To return to the SAM menu press the MENU or STATUS/EXIT button.
- When you press the MENU key in while in a submenu, you will return to the previous menu.

### **How to store SAM settings**

To store the settings changed in SAM mode, leave the top level SAM menu by using the POWER button on the remote control transmitter or the television set.

### **How to exit**

Switch the set to STANDBY by pressing the power button on the remote control transmitter or press the 'POWER' switch on the set.

## **Customer Service Mode (CSM)**

### **Purpose**

The Customer Service Mode shows error codes and information on the TV's operation settings. The call centre can instruct the customer (by telephone) to enter CSM in order to identify the status of the set. This helps the call centre to diagnose problems and failures in the TV set before making a service call.

The CSM is a read-only mode; therefore, modifications are not possible in this mode.

### **How to enter**

To enter CSM, press the following key sequence on the remote control transmitter: "123654" (do not allow the display to time out between entries while keying the sequence).

Upon entering the Customer Service Mode, the following screen will appear:



**Figure: CSM menu**

### ***Menu explanation***

1. Indication of the decimal value of the operation hours counter, Software identification of the main microprocessor (see 'Service Default or Alignment Mode' for an explanation), and the service mode (CSM= Customer Service Mode).
2. Displays the last five errors detected in the error code buffer.
3. Displays the option bytes.
4. Displays the type number version of the set.
5. Reserved item for P3C call centres (AKBS stands for Advanced Knowledge Base System).
6. Indicates the television is receiving an 'IDENT' signal on the selected source. If no 'IDENT' signal is detected, the display will read 'NOT TUNED'
7. Displays the detected Colour system (e.g. PAL/NTSC).
8. Displays the detected Audio (e.g. stereo/mono).
9. Displays the picture setting information.
10. Displays the sound setting information.

### ***How to exit***

To exit CSM, use one of the following methods:

- Press the MENU, STATUS/EXIT, or POWER button on the remote control transmitter.
- Press the POWER button on the television set.

# Problems and Solving Tips Related to CSM

## Picture Problems

**Note:** The problems described below are all related to the TV settings. The procedures used to change the value (or status) of the different settings are described.

### *Picture too dark or too bright*

**If:**

- The picture improves when you press the AUTO PICTURE button on the remote control transmitter, or
- The picture improves when you enter the Customer Service Mode,

**Then:**

1. Press the AUTO PICTURE button on the remote control transmitter repeatedly (if necessary) to choose PERSONAL picture mode.
2. Press the MENU button on the remote control transmitter. This brings up the normal user menu.
3. In the normal user menu, use the MENU UP/DOWN keys to highlight the PICTURE sub menu.
4. Press the MENU LEFT/RIGHT keys to enter the PICTURE sub menu.
5. Use the MENU UP/DOWN keys (if necessary) to select BRIGHTNESS.
6. Press the MENU LEFT/RIGHT keys to increase or decrease the BRIGHTNESS value.
7. Use the MENU UP/DOWN keys to select PICTURE.
8. Press the MENU LEFT/RIGHT keys to increase or decrease the PICTURE value.
9. Press the MENU button on the remote control transmitter twice to exit the user menu.
10. The new PERSONAL preference values are automatically stored.

### *White line around picture elements and text*

**If:**

The picture improves after you have pressed the AUTO PICTURE button on the remote control transmitter,

**Then:**

1. Press the AUTO PICTURE button on the remote control transmitter repeatedly (if necessary) to choose PERSONAL picture mode.
2. Press the MENU button on the remote control transmitter. This brings up the normal user menu.
3. In the normal user menu, use the MENU UP/DOWN keys to highlight the PICTURE sub menu.
4. Press the MENU LEFT/RIGHT keys to enter the PICTURE sub menu.
5. Use the MENU UP/DOWN keys to select SHARPNESS.
6. Press the MENU LEFT key to decrease the SHARPNESS value.
7. Press the MENU button on the remote control transmitter twice to exit the user menu.
8. The new PERSONAL preference value is automatically stored.

### ***Snowy picture***

Check CSM line 6. If this line reads "Not Tuned", check the following:

- Antenna not connected. Connect the antenna.
- No antenna signal or bad antenna signal. Connect a proper antenna signal.
- The tuner is faulty (in this case line 2, the Error Buffer line, will contain error number 10).  
Check the tuner and replace/repair the tuner if necessary.

### ***Black and white picture***

***If:***

The picture improves after you have pressed the AUTO PICTURE button on the remote control transmitter,

***Then:***

1. Press the AUTO PICTURE button on the remote control transmitter repeatedly (if necessary) to choose PERSONAL picture mode.
2. Press the MENU button on the remote control transmitter. This brings up the normal user menu.
3. In the normal user menu, use the MENU UP/DOWN keys to highlight the PICTURE sub menu.
4. Press the MENU LEFT/RIGHT keys to enter the PICTURE sub menu.
5. Use the MENU UP/DOWN keys to select COLOUR.
6. Press the MENU RIGHT key to increase the COLOUR value.
7. Press the MENU button on the remote control transmitter twice to exit the user menu.
8. The new PERSONAL preference value is automatically stored.

### ***Menu text not sharp enough***

***If:***

The picture improves after you have pressed the AUTO PICTURE button on the remote control transmitter,

***Then:***

1. Press the AUTO PICTURE button on the remote control transmitter repeatedly (if necessary) to choose PERSONAL picture mode.
2. Press the MENU button on the remote control transmitter. This brings up the normal user menu.
3. In the normal user menu, use the MENU UP/DOWN keys to highlight the PICTURE sub menu.
4. Press the MENU LEFT/RIGHT keys to enter the PICTURE sub menu.
5. Use the MENU UP/DOWN keys to select PICTURE.
6. Press the MENU LEFT key to decrease the PICTURE value.
7. Press the MENU button on the remote control transmitter twice to exit the user menu.
8. The new PERSONAL preference value is automatically stored.

# ComPair

## Introduction

ComPair (Computer Aided Repair) is a service tool for Philips Consumer Electronics products. ComPair is a further development on the European DST (service remote control), which allows faster and more accurate diagnostics. ComPair has three big advantages:

ComPair helps you to quickly get an understanding on how to repair the chassis in a short time by guiding you systematically through the repair procedures.

ComPair allows very detailed diagnostics (on I2C level) and is therefore capable of accurately indicating problem areas. You do not have to know anything about I2C commands yourself because ComPair takes care of this.

ComPair speeds up the repair time since it can automatically communicate with the chassis (when the microprocessor is working) and all repair information is directly available. When ComPair is installed together with the Force electronic manual of the defective chassis, schematics and PWBs are only a mouse click away.

## Specifications

ComPair consists of a Windows based faultfinding program and an interface box between PC and the (defective) product. The ComPair interface box is connected to the PC via a serial or RS232 cable.

In this chassis, the ComPair interface box and the TV communicate via a bi-directional service cable via the service connector.

The ComPair faultfinding program is able to determine the problem of the defective television.

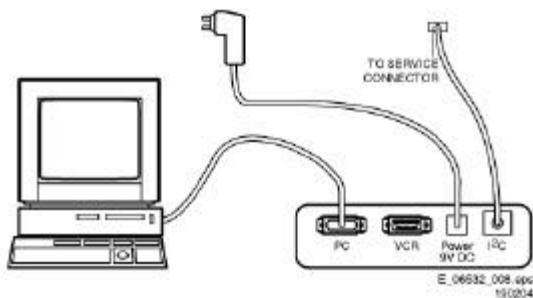
ComPair can gather diagnostic information in two ways:

- **Automatic** (by communication with the television): ComPair can automatically read out the contents of the entire error buffer. Diagnosis is done on I2C level. ComPair can access the I2C bus of the television. ComPair can send and receive I2C commands to the micro controller of the television. In this way, it is possible for ComPair to communicate (read and write) to devices on the I2C busses of the TV-set.
- **Manually** (by asking questions to you): Automatic diagnosis is only possible if the micro controller of the television is working correctly and only to a certain extend. When this is not the case, ComPair will guide you through the faultfinding tree by asking you questions (e.g. *Does the screen give a picture? Click on the correct answer: YES / NO*) and showing you examples (e.g. *Measure test-point 17 and click on the correct waveform you see on the oscilloscope*). You can answer by clicking on a link (e.g., text or a waveform picture) that will bring you to the next step in the faultfinding process.

By a combination of automatic diagnostics and an interactive question / answer procedure, ComPair will enable you to find most problems in a fast and effective way.

## How To Connect

1. First, install the ComPair Browser software (see the Quick Reference Card for installation instructions).
2. Connect the RS232 interface cable between a free serial (COM) port of your PC and the PC connector (marked with 'PC') of the ComPair interface.
3. Connect the mains adapter to the supply connector (marked with 'POWER 9V DC') of the ComPair interface.
4. Switch the ComPair interface “off”.
5. Switch the television set OFF (remove AC power).
6. Connect the ComPair interface cable with the connector on the rear side of the compare interface (marked with 'I2C') and the additional ComPair interface cable. Connect the other side of the additional ComPair interface cable with the ComPair (or *Service*) connector at the rear side of the TV.
7. Plug the mains adapter in a mains outlet, and switch the interface “on”. The green and red LEDs light up together. The red LED extinguishes after approx. 1 second while the green LED remains lit.
8. Start the ComPair program and read the 'Introduction' chapter.



**Figure: E06532-008 ComPair Interface connection**

# Error Codes

The error code buffer contains all errors detected since the last time the buffer was erased. The buffer is written from left to right. When an error occurs that is not yet in the error code buffer, it is displayed at the left side and all other errors shift one position to the right.

## How To Read The Error Buffer

You can read the error buffer in 3 ways:

- On screen via the SAM (if you have a picture).

**Examples:**

- ERROR: 0 0 0 0 0 : No errors detected
  - ERROR: 6 0 0 0 0 : Error code 6 is the last and only detected error
  - ERROR: 9 6 0 0 0 : Error code 6 was detected first and error code 9 is the last detected (newest) error
- Via the blinking LED procedure (when you have no picture). See “The Blinking LED Procedure”.
  - Via ComPair.

## How To Clear The Error Buffer

The error code buffer is cleared in the following cases:

- By using the CLEAR command in the SAM menu:
  - To enter SAM, press the following key sequence on the remote control transmitter: “062596” directly followed by the OSD/STATUS button (do not allow the display to time out between entries while keying the sequence).
  - Make sure the menu item CLEAR is highlighted. Use the MENU UP/DOWN buttons, if necessary.
  - Press the MENU RIGHT button to clear the error buffer. The text on the right side of the “CLEAR” line will change from “CLEAR?” to “CLEARED”
- If the contents of the error buffer have not changed for 50 hours, the error buffer resets automatically.

**Note:** If you exit SAM by disconnecting the mains from the television set, the error buffer is not reset.



## Error Codes

In case of non-intermittent faults, write down the errors present in the error buffer and clear the error buffer before you begin the repair. This ensures that old error codes are no longer present.

If possible, check the entire contents of the error buffer. In some situations, an error code is only the result of another error and not the actual cause of the problem (for example, a fault in the protection detection circuitry can also lead to a protection).

**Table: Error code overview**

Error	Device	Error description	Check item	Diagram
0	Not applicable	No Error		
1	Not applicable	-	-	-
2	Not applicable	-	-	-
3	Not applicable	-	-	-
4	GM1501	I2C error while communicating with the Genesis Scaler and/or Flash-ROM is faulty/empty	74017530	A7A11
5	Not applicable	+5v protection	7930	A6
6	I2C bus	General I2C error	7011, 3088, 3096	A2
7	Not applicable	-	-	-
8	M24C32	I2C error while communicating with the Scaler EEPROM	7531	A11
9	M24C16	I2C error while communicating with the EEPROM	7099	A2
10	Tuner	I2C error while communicating with the PLL tuner	1302, 3302, 3303	A1
11	UPD64083	I2C error while communicating with the 3DYC Combfilter	7823, 3881, 3882, 3064, 3071	CBA3
12	Not applicable	-	-	-
13	SII9993CT	I2C error while communicating with the HDMI Decoder	7808, 3824, 3825	A12
14	K4D263238M	Read-write error with the Scaler SDRAM	7501	A10
15	TDA9178T/N1	I2C error while communicating with Histogram	7560, 7562	A3
16	EPIC12F	I2C error while communicating with EPLD on Pixel Plus panel	7101	PP1

# The Blinking LED Procedure

Using this procedure, you can make the contents of the error buffer visible via the front LED. This is especially useful when there is no picture.

When the SDM is entered, the front LED will blink the contents of the error-buffer:

- The Led blinks with as many pulses as the error code number, followed by a time period of 1.5 seconds, in which the LED is off.
- Then this sequence is repeated.

Any RC5 command terminates this sequence.

**Example** of error buffer: **12 9 6 0 0**

After entering SDM, the following occurs:

- 1 long blink of 5 seconds to start the sequence,
- 12 short blinks followed by a pause of 1.5 seconds,
- 9 short blinks followed by a pause of 1.5 seconds,
- 6 short blinks followed by a pause of 1.5 seconds,
- 1 long blink of 1.5 seconds to finish the sequence,
- The sequence starts again at 12 short blinks.

# Fault Finding and Repair Tips

## Notes:

- It is assumed that the components are mounted correctly with correct values and no bad solder joints.
- Before any fault finding actions, check if the correct options are set.

## NVM Editor

In some cases, parts of the NVM contents need to be changed. This can be done with the “NVM Editor” option in SAM mode. With this option single bytes can be changed.

## Load default NVM values

In case a blank NVM is placed or when the NVM content is corrupted, default values can be downloaded into the NVM. After the default values are downloaded it will be possible to start up and to start aligning the TV set. This is no longer initiated automatically; to initiate the download the following action has to be performed:

1. Switch off the TV set via the mains switch
2. Short circuit the SDM jumpers (keep short circuited)
3. Press P+ or Ch+ on the local keyboard (and keep it pressed)
4. Switch on the TV set via the mains switch
5. When the set has started up the P+/Ch+ button can be released and the short circuit of the SDM jumpers can be removed.
6. The red LED will be on continuously to indicate that the download is initiated (normally when SDM is activated the red LED will start with the Blinking LED sequence).
7. Wait +/- 30 Seconds (time needed to download default values to the NVM)

Result: The set is in SDM, the NVM is loaded with default values and the blinking LED is not activated (The blinking LED is not activated in this case to show that the download has been performed), the LED will be on.

## Tuner and IF

### *No Picture in RF mode*

1. Check if picture is present in AV. If not, go to Video processing troubleshooting section.
2. If present, check that the Option settings are correct.
3. Check that all supply voltages are present.
4. Check if I2C lines are working correctly (3.3V).
5. Manually store a known channel and check if there is IF output at Tuner pin 11.
6. Feed in 105 dBuV at Tuner pin 11 and check whether there is RGB output from Video Processing IC. If yes, Tuner may be defected. Change Tuner.

### *Sound in picture problem for L' system (rolling horizontal lines)*

1. Check whether AGC L' in Sam mode is set to 0.
2. If yes, align the set to correct value.

### *Required system is not selected correctly*

1. Check whether the Service jumper (#4022, 08 05 size) is present. If yes, remove it.
2. Check whether SEL\_IF pin is according to what is specified.

## Video Processing

### *No power*

1. Check +12 V and 3V3 at position 1910.
2. If no supply, check the connector 1910.
3. If it is correct, check the power supply board.

### *Power supply is correct but no green light*

1. Check the two connectors 1005 and 1601, if they are properly inserted.
2. If they are inserted correctly, check if the 3V3 is present.

### *No picture display*

1. Check the RGB signal.
2. If it is present, check 3-IC7016 (NE555).
3. If it has output, the problem is in SCALER part.
4. Otherwise, check H-out on pin 2 of NE555. If the input signal of pin2 is present, but no output, the IC is failed.

### **Note:**

- If the H-out (pin 67) doesn't have signal or the level is low, check the output of NE555 (pin 3) during start up.
- If the H-out (pin 67) has a signal (or has a signal for a very short time), change IC7016 (NE555).

### ***No TV but PC is present***

1. Check if HSYNC and VSYNC are present at PIN 3 of 7071 and 7015.
2. If they are present, check RGB output.
3. If there is no RGB output, the IC TDA120xx can be failed.

### ***Comb Filter not working***

1. Check the option bit 5 in SAM.
2. Check NVM setting. Address 1229 is 0000.

## **Power Supply**

### ***Check fuses***

This power supply contains three fuses. One is near the mains inlet (marked on the board as 1102) and two other are near the output connectors (marked 1610 and 1660).

1. Check with power supply in off state by means of ohmic measurement.
2. Fuse 1102 may open in case of severe lightning strikes and/or failures in the power supply. Despite the fact, that this fuse is mounted in a fuse holder and the marking text on the board, it is not meant to be field replaceable.
3. Fuses 1610 and 1660 may open in case a severe overload of the 12 V outputs. Replacement of the power supply is needed, but not before the cause of the overload conditions is resolved.

### ***Standby mode***

1. Apply a 12 ohm load resistor of sufficient power rating to all outputs (+3 V3, +12 VAL, +12 VL and +24 V). Connect the STBY pin to GND.
2. Over an input voltage range of 90 V<sub>ac</sub> to 264 V<sub>ac</sub> only the +3 V3 output shall be up and within regulation ( $\pm 5\%$ ). The voltage on the POWER DOWN pin shall be  $< 0.3\text{ V}$  at an input voltage below 160 V<sub>ac</sub>, and  $3.3\text{ V} \pm 10\%$  at an input voltage higher than 240 V<sub>ac</sub>.

### ***Normal mode:***

1. Apply a 12 ohm load resistor of sufficient power rating to all outputs (+3 V3, +12 VAL, +12 VL and +24 V). Connect the STBY pin to the +3 V3 output.
2. Over an input voltage range of 90 V<sub>ac</sub> to 264 V<sub>ac</sub> all outputs shall be up and within regulation ( $\pm 5\%$ ). The voltage on the POWER DOWN pin shall be  $3.3\text{ V} \pm 10\%$  over the entire input voltage range. Additionally, the voltage on the big capacitor mounted flat on the PCB shall be  $400\text{ V} \pm 10\%$ .

# Alignments

General: The Service Default Mode (SDM) and Service Alignment Mode (SAM) are described in chapter 5. Menu navigation is done with the cursor Up, Down, Left or Right keys of the remote control transmitter.

## General Alignment Conditions

Perform all electrical adjustments under the following conditions:

Mains voltage and frequency: 100-240 V / 50/60 Hz.

Allow the set to warm up for approximately 10 minutes.

Test probe:  $R_i > 10 \text{ M ohm}$ ;  $C_i < 2.5 \text{ pF}$ .

## Hardware Alignments

There are no hardware alignments foreseen for the LCD-TV.

## Software Alignments

With the software alignments of the Service Alignment Mode (SAM) the geometry, white tone and tuner (IF) can be aligned.

To store the data: Use the RC button Menu to switch to the main menu and next, switch to 'Stand-by' mode.

## SAM Menu

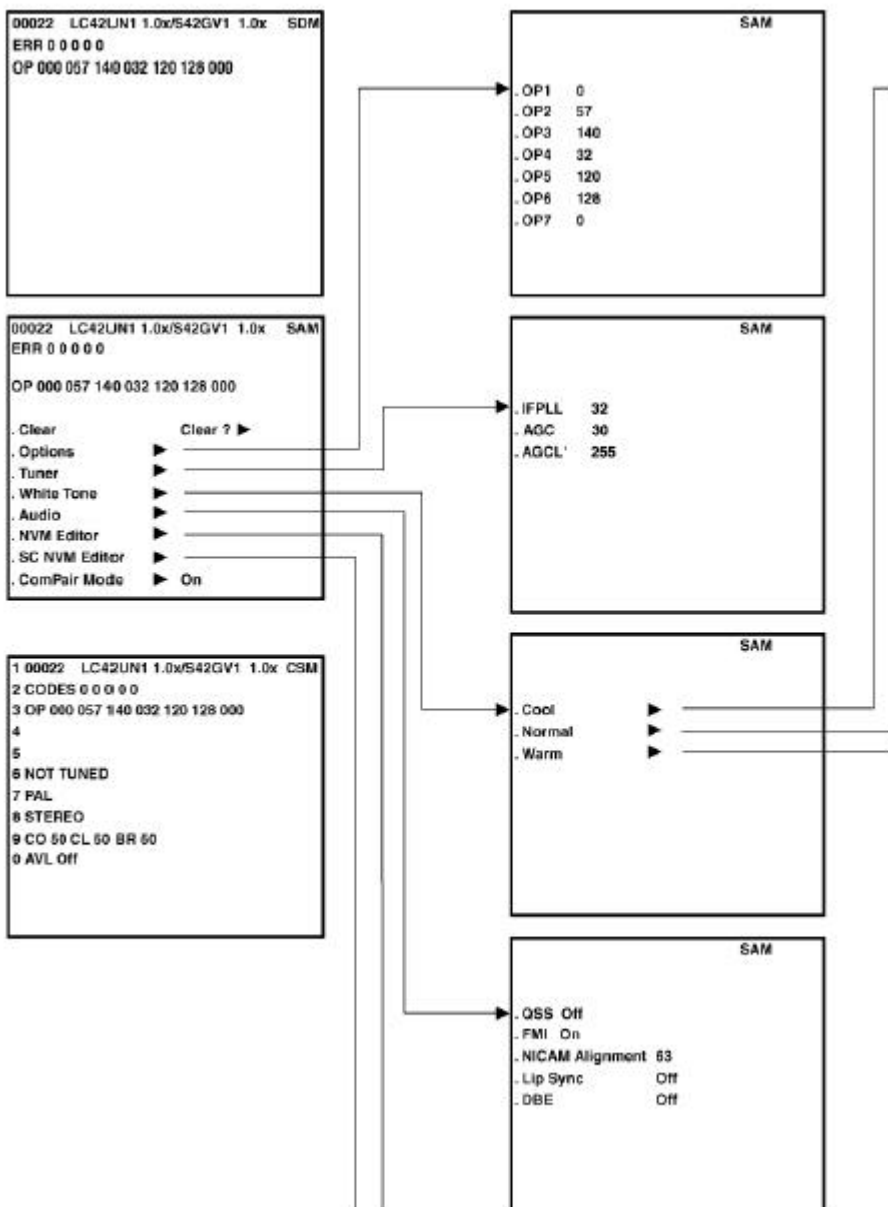


Figure: E14490-054 SAM Menu (nieuw nummer)

## White Tone

In the White Tone sub menu the colour values for the colour temperature values can be changed.

The colour temperature mode (Normal, Delta Cool, Delta Warm) or the colour (R, G, B) can be selected with the Right/Left cursor keys. The mode or value can be changed with the Up/Down cursor keys.

First the values for the Normal colour temperature should be selected. Range: 0-255, 128 represent the middle of the value (no offset difference). Then the offset values for the Delta Cool and Delta Warm mode can be selected. Note that the alignment values are non-linear. The range is: -50 to +50, 0 represents the middle value, (no offset difference).

Input signal strength:  $\geq 10$  mV rms (80 dB $\mu$ V) terminal voltage.

Input injection point: Aerial input.

## Alignment Method

### Initial Set-up

- 12 minutes soaking time before carrying out Colour Temp alignment.
- Incredible Picture/Contrast+ and Active Control & Light Sensor must be switched Off for proper tracking.
- Set all colour temperature settings to their initial values, i.e. Red=135; Green=128; Blue=133.
- The offset values for Cool & Warm should be preloaded into NVM.
- The alignment is done for Normal only.

### Method of alignments

1. Place the colour sensor of the meter at the centre of the screen with standard orientation (at 0 degree orientation).
2. Set the meter in (T, delta UV, Y) mode.
3. Set Brightness and Colour to nominal (Factory mode, Brightness 60).
4. Set Colour temp to normal.
5. Set Contrast to make the light output Y on the meter 250 nit  $\pm 10\%$ .
6. Set Green=128.
7. Adjust Red and Blue to bring delta UV and T to the value as in the table.
8. Repeat the procedure if necessary to obtain the values as in the table.

## Expected Results

- Measured parameters: Refer to table,
- Specifications: Refer to table,
- Units of measurement: Kelvin.

**Table: Colour temperatures**

Colour temperature	NORMAL	COOL	WARM			
	T (K)	? UV	T (K)	? UV	T (K)	? UV
	8500	-003	11500	-005	7000	-005
Tolerance	$\pm 10\%$	$\pm 003$	$\pm 10\%$	$\pm 003$	$\pm 10\%$	$\pm 003$



## Tuner Adjustment

AGC (RF AGC Take Over Point)

Set pattern generator (e.g. PM5580) with colour bar pattern and connect to aerial input with RF signal amplitude - 10mV and set frequency for NTSC to 61.25 MHz.

- Activate the SAM-menu. Go to the sub-menu Tuner, select the sub-menu option AFC Window and adjust the value to 100kHz.
- Select the AGC sub-menu.
- Connect a DC multi-meter to F306 pin1 of the tuner.
- Adjust the AGC until the voltage at pin 1 of the tuner is 3.3 Volts +0.5 / -1.0.
- The value can be incremented or decremented by pressing the right/left Menu-button on the RC.
- Switch the set to standby to store the data.

## Grey Scale Adjustment

### SDTV Grey Scale Adjustment

#### **Alignment Method**

- Switch to TV mode,
- Press the Mute button on RC,
- Set Smart Picture to soft mode,
- Activate the auto colour function by pressing key-sequence: "Info+", "Mute", "Mute", "Mute", "Info+", "Menu", "Info+"

#### **Expected Results**

Visual:

- Check for 8 Grey levels.

### Analogue PC Grey Scale Adjustment

#### **Input Requirements**

Input Signal Type:

- PC input signal, with 64 levels Grey scale pattern,
- 1024x768 @ 60Hz (format=81:DMT1060, pattern=123:Grey 64). Input Injection Point:
- PC input at Dsub connector.

#### **Alignment Method**

- Switch to PC mode,
- Press the Mute button on RC,
- Set Brightness & Contrast to nominal 50,
- Activate PC Auto Colour function by pressing key-sequence: "Info+", "Mute", "Mute", "Mute", "Info+", "Menu", "Info+"

#### **Expected Results**

Visual:

- Check for 64 Grey levels.

## ***HD Grey Scale Adjustment***

### ***Input Requirements***

Input Signal Type:

- HD input signal, Top half 100% colour bar and bottom half Grey scale pattern,
- 1920x1080i@60Hz YPrPb (Format=1080i30, Image=HDBar100).

Input Injection Point :

- HD input at Dsub connector

### ***Alignment Method***

- Switch to HD mode,
- Press the Mute button on RC,
- Activate HD Auto Colour function by pressing key-sequence: “Info+”, “Mute”, “Mute”, “Mute”, “Info+”, “Menu”, “Info+”

### ***Expected Results***

Visual:

- Check that Colour bar tint and Grey scale are correct.

## **Sound**

No adjustments needed for sound.

The default values for the audio alignments are:

- QSS: On
- FMI: Off
- NICAM Alignment: 63
- Lip Sync: Off
- DBE: Off

## Options

Options are used to control the presence/absence of certain features and hardware.

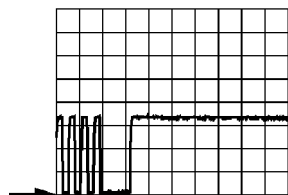
### *How to change an Option Byte*

An Option Byte represents a number of different options. Changing these bytes directly makes it possible to set all options very fast. All options are controlled via seven option bytes. Select the option byte (OP1.. OP7) with the Menu Up/ Down keys, and enter the new value.

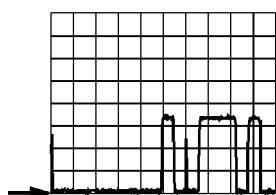
Leaving the OPTION submenu saves the changes in the Option Byte settings. Some changes will only take effect after the set has been switched “off” and “on” with the AC power switch (cold start).

**Table: Option values per model**

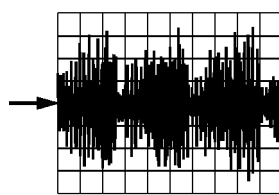
	17PF9946/37	23PF9946/37	26PF9946/37			
Option Byte	Total Dec Values	Total Hex Values	Total Dec Values	Total Hex Values	Total Dec Values	Total Hex Values
OP1	128	80	128	80	128	80
OP2	177	B1	177	B1	177	B1
OP3	12	0C	12	0C	12	0C
OP4	2	02	2	02	2	02
OP5	252	FC	252	FC	252	FC
OP6	94	5E	78	4E	78	4E
OP7	0	00	16	10	16	10



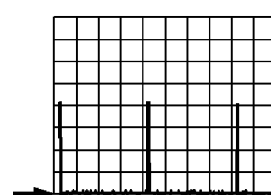
F302



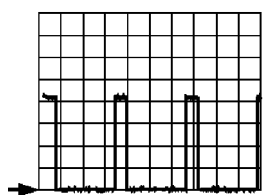
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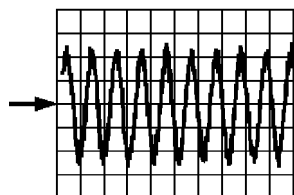
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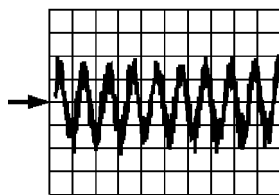
I341



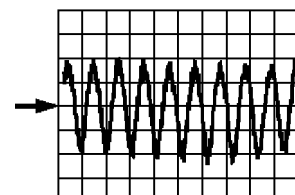
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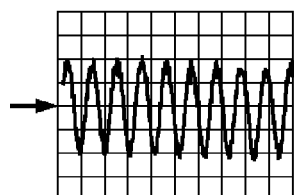
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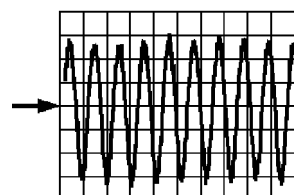
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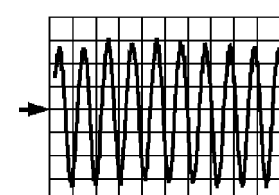
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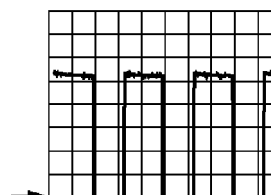
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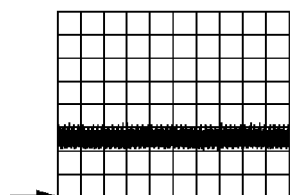
F707



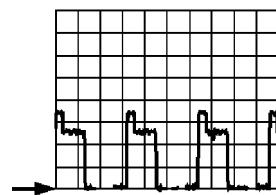
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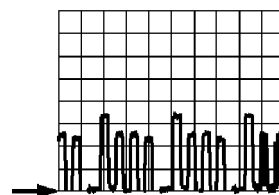
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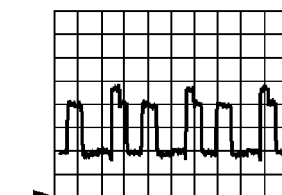
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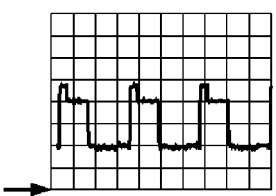
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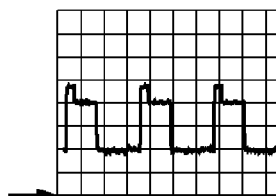
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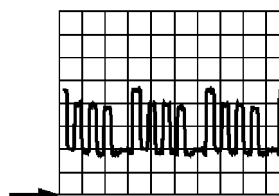
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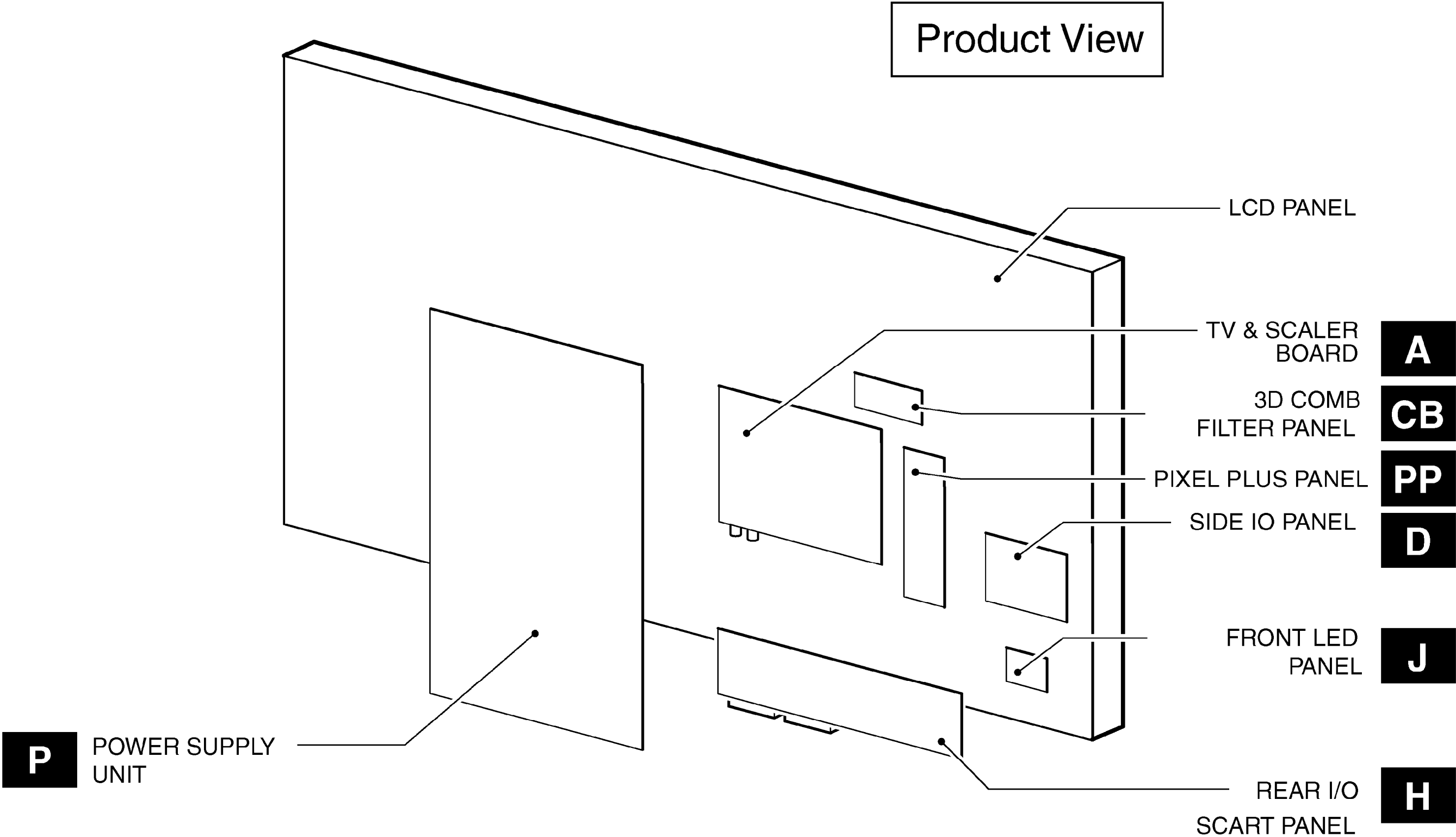
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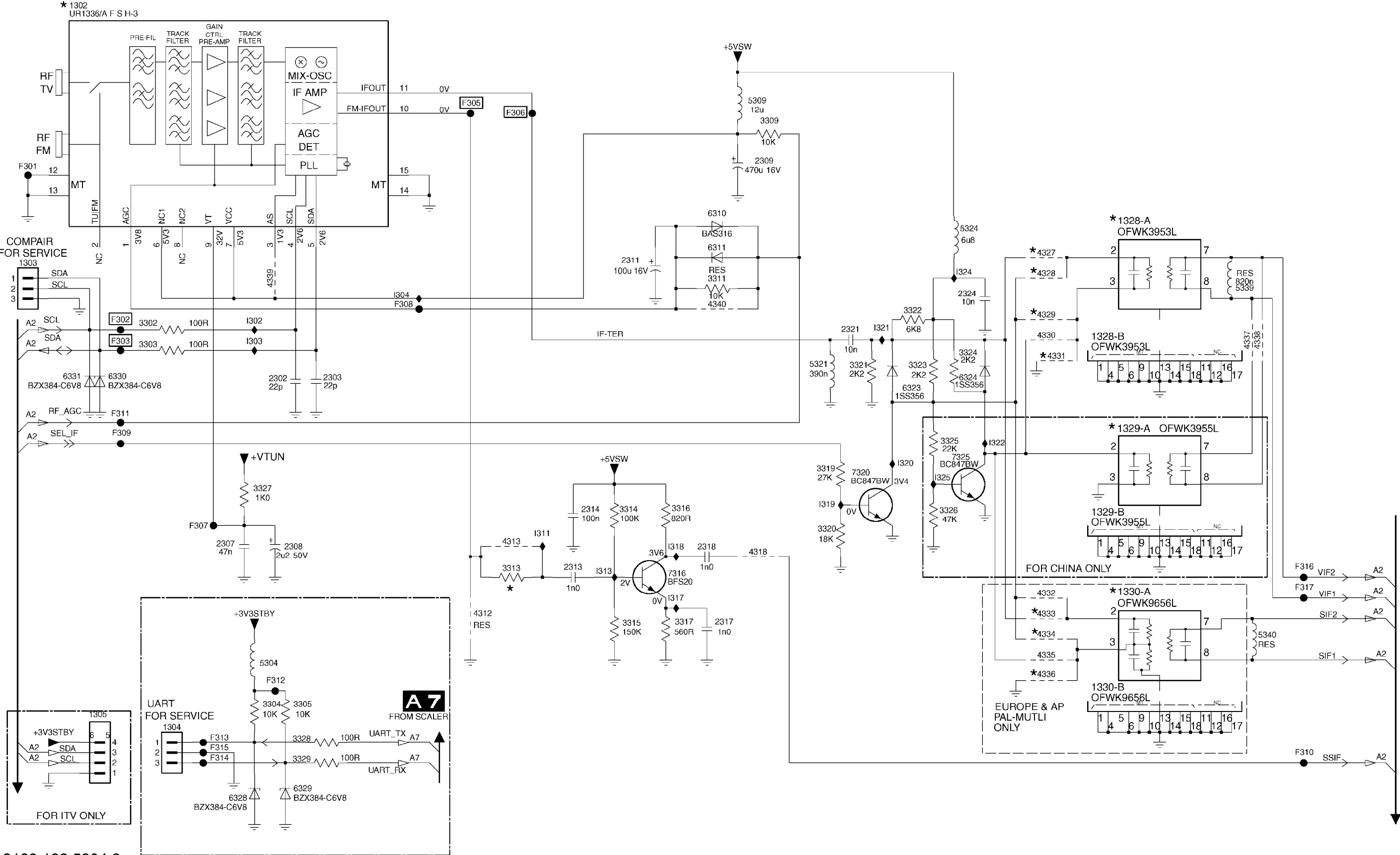
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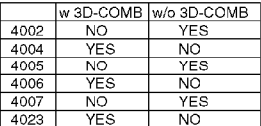


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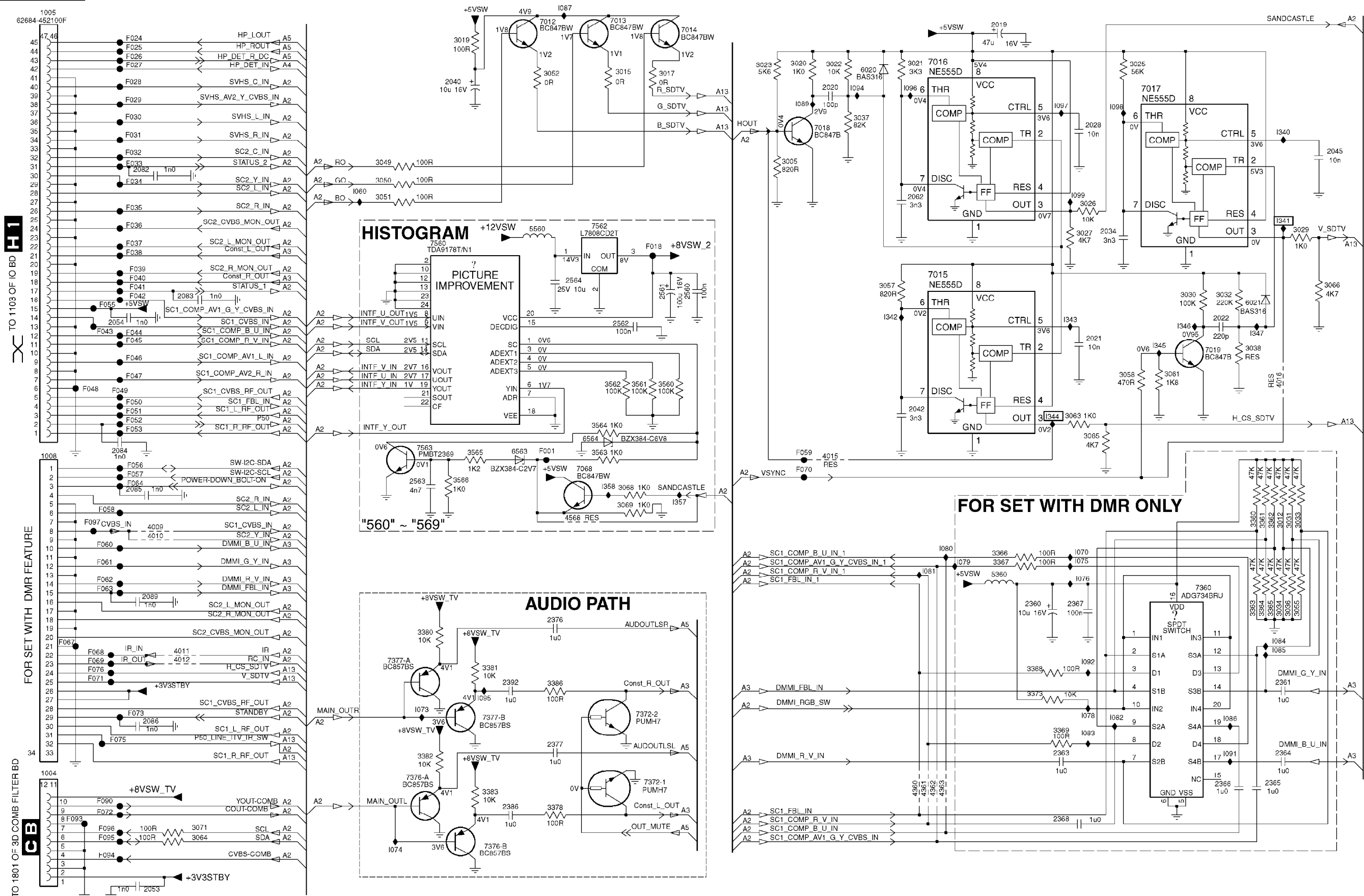


# A1 TUNER + VIF

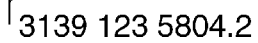




# A3 HISTOGRAM

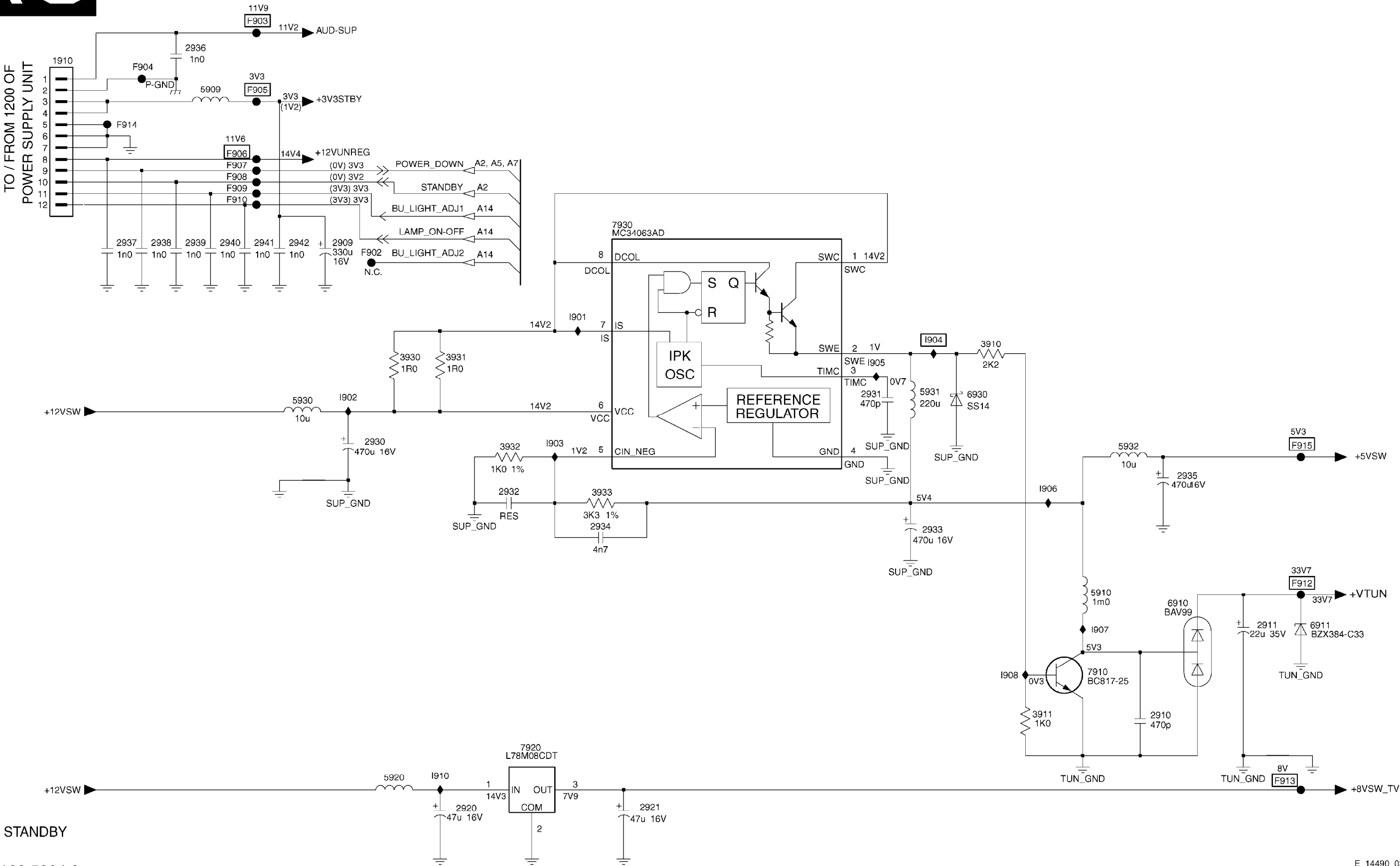




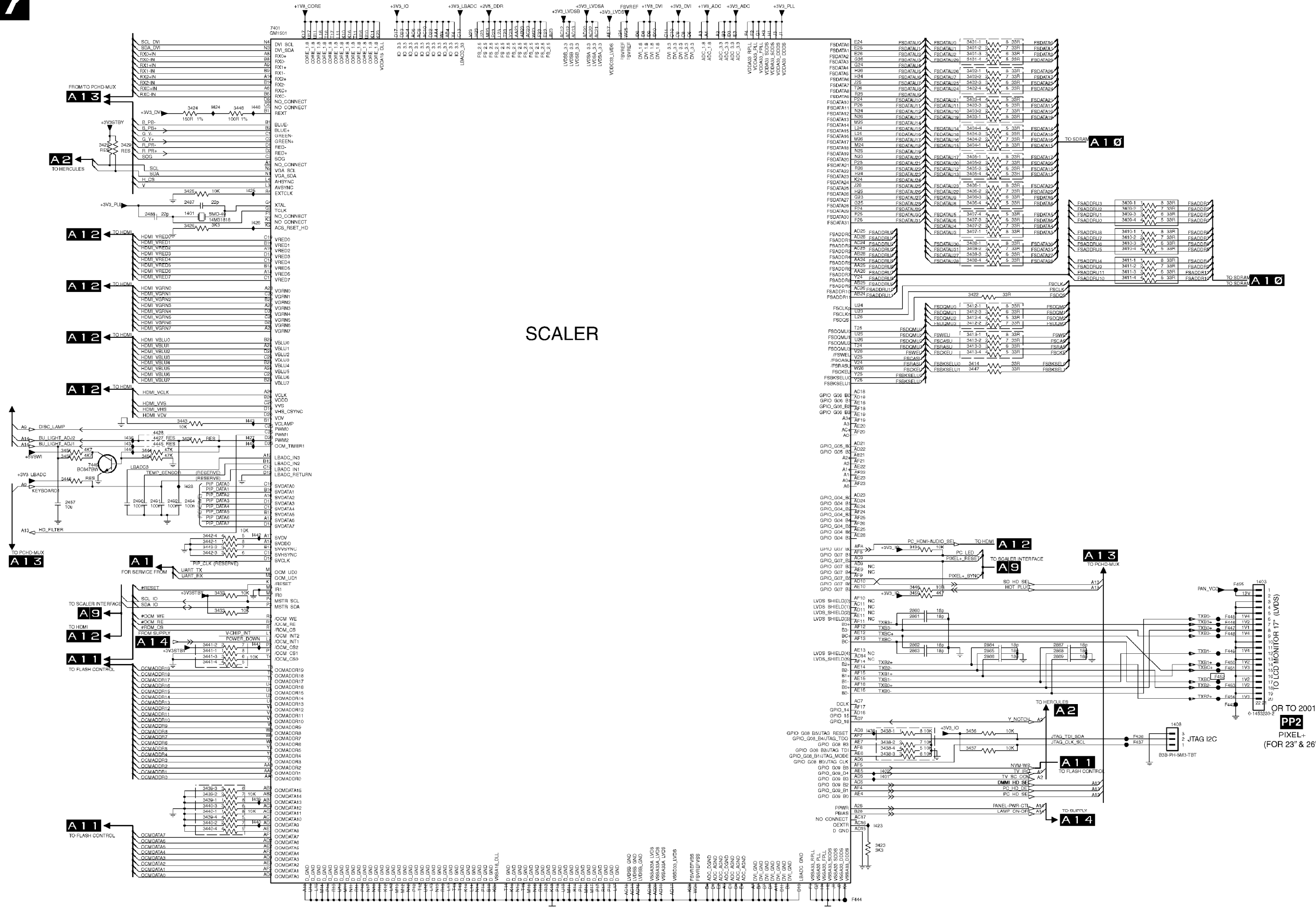


A6

TV-SUPPLY

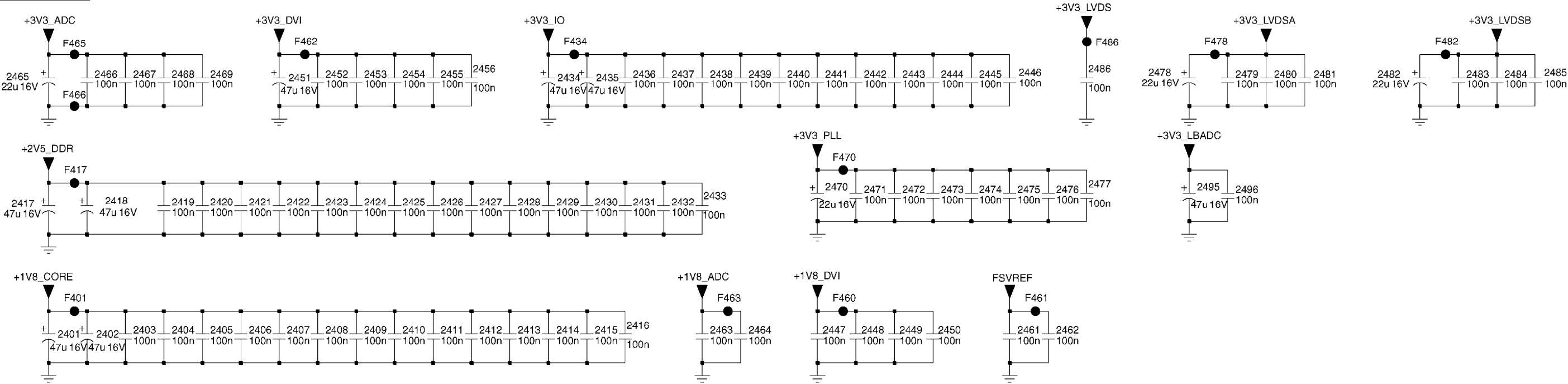


(..V) STANDBY



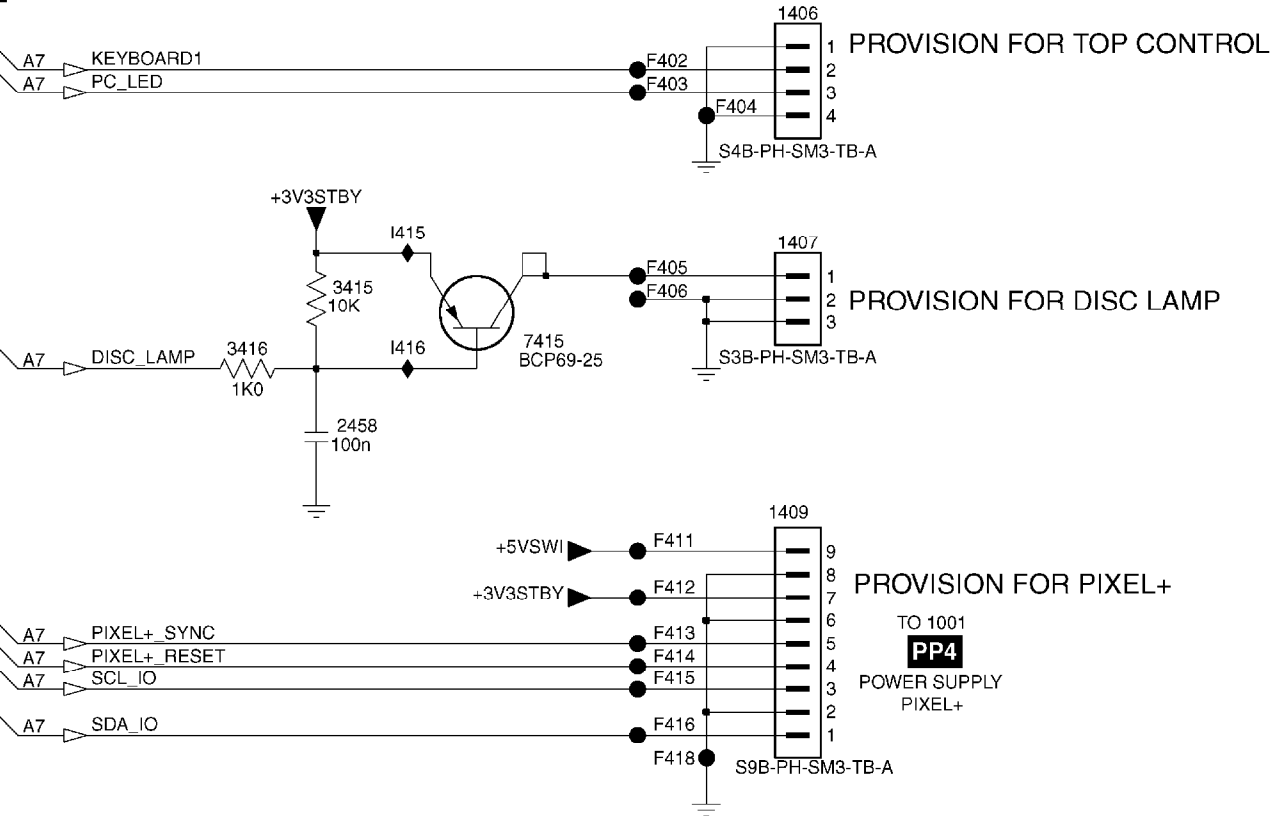
A9

SCALER INTERFACE

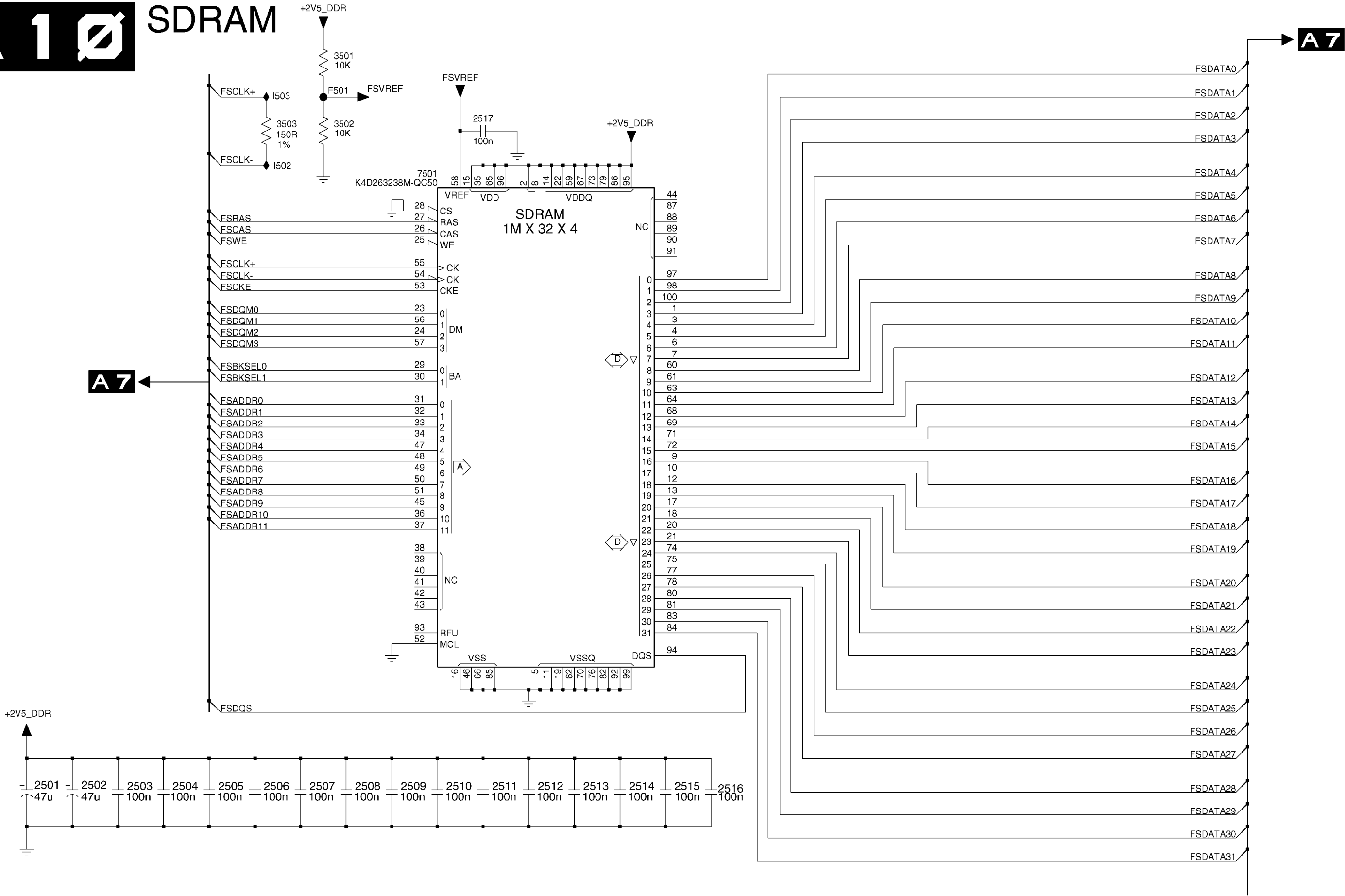


A7

TO SCALER

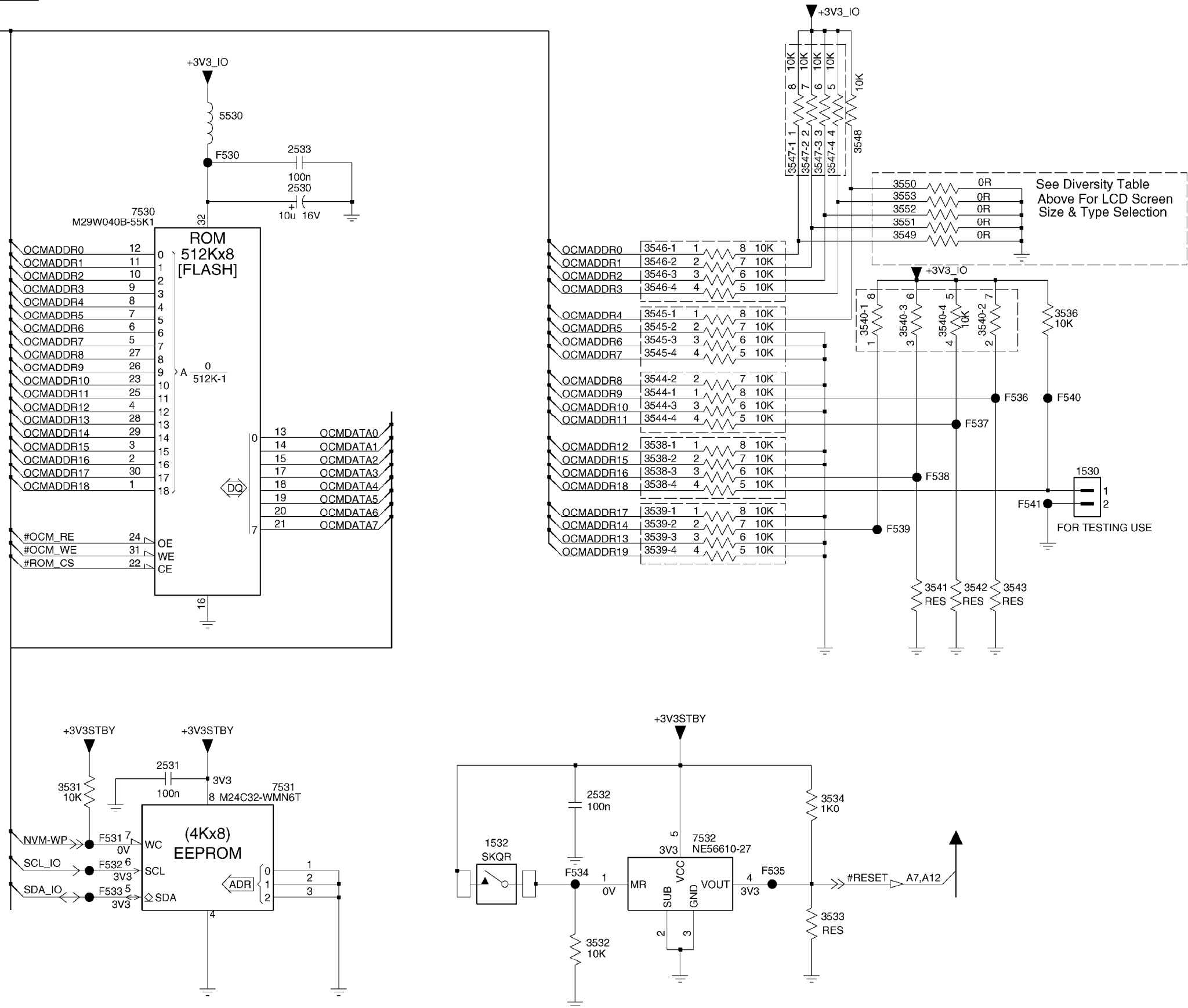


# A 1 Ø SDRAM

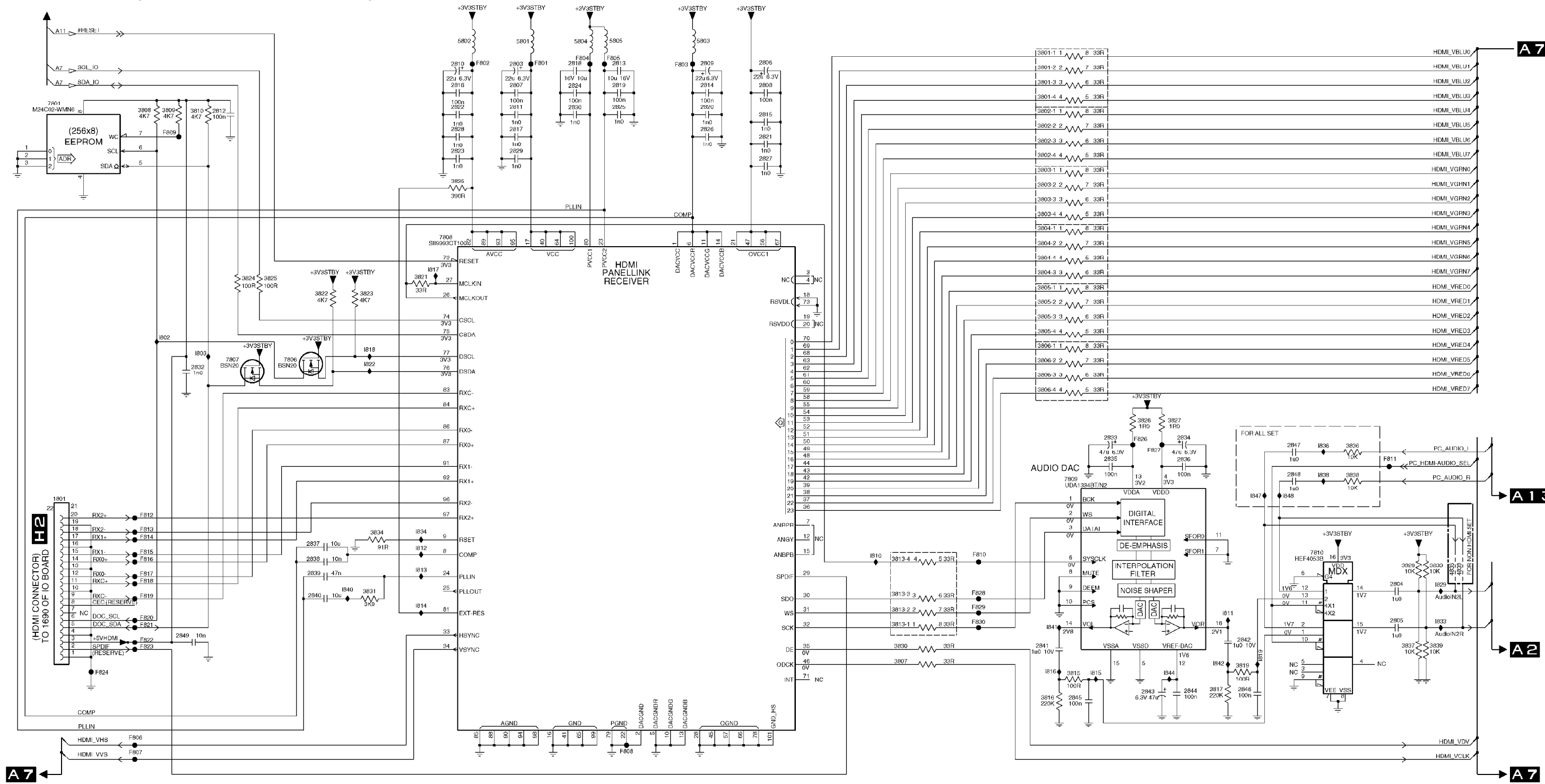


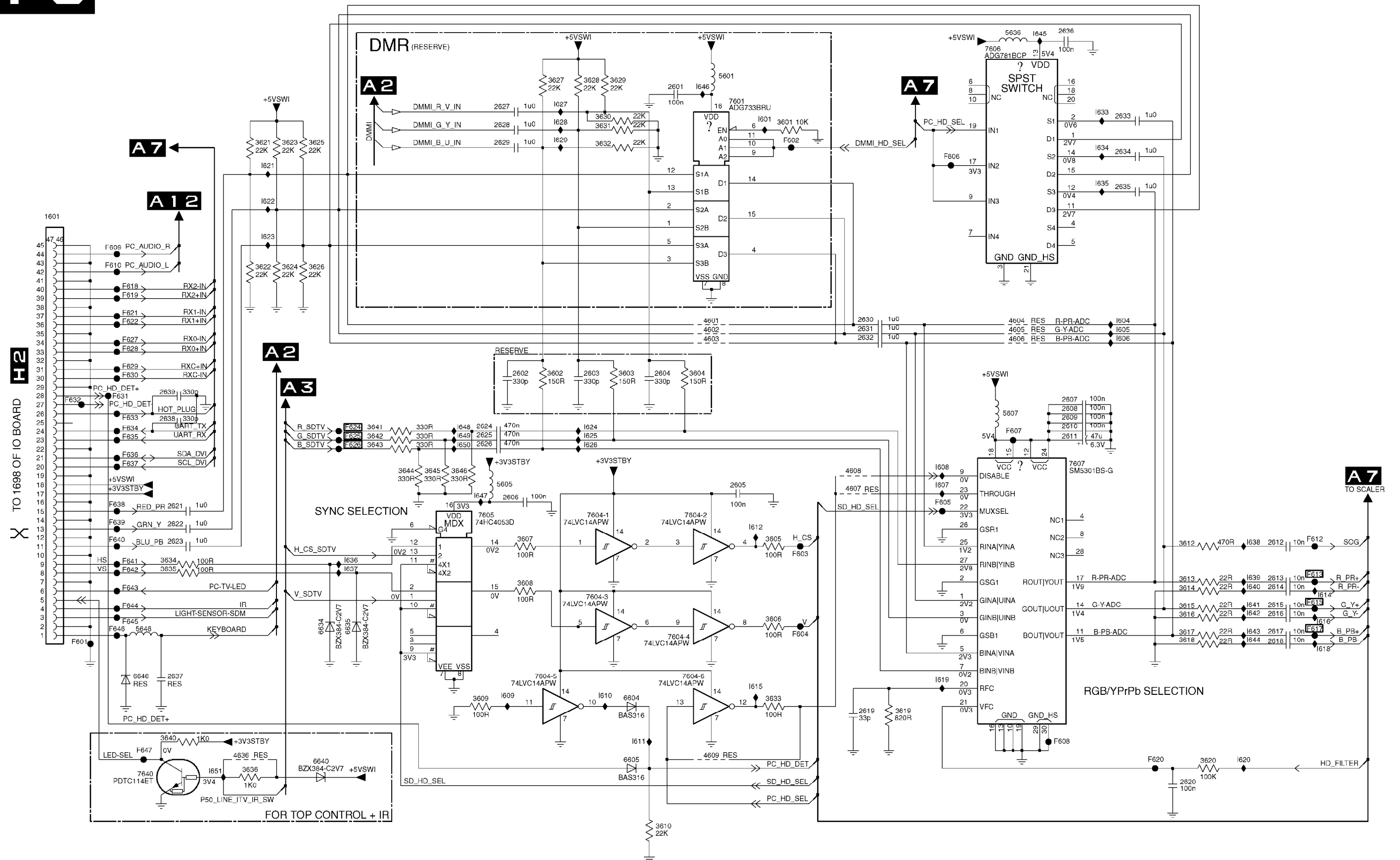
# A11 FLASH / CONTROL

A7



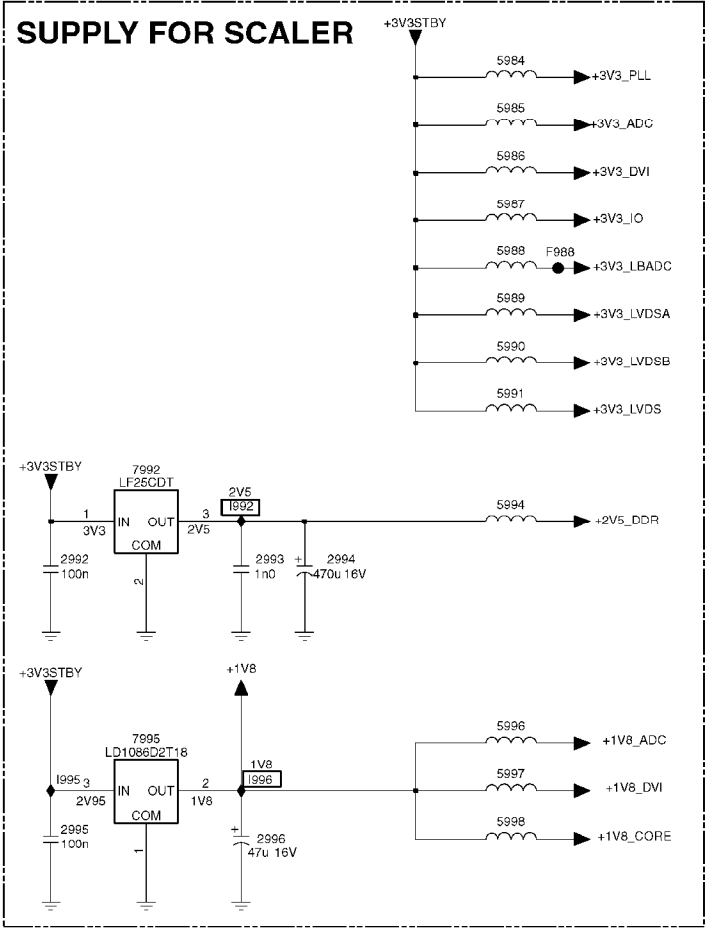
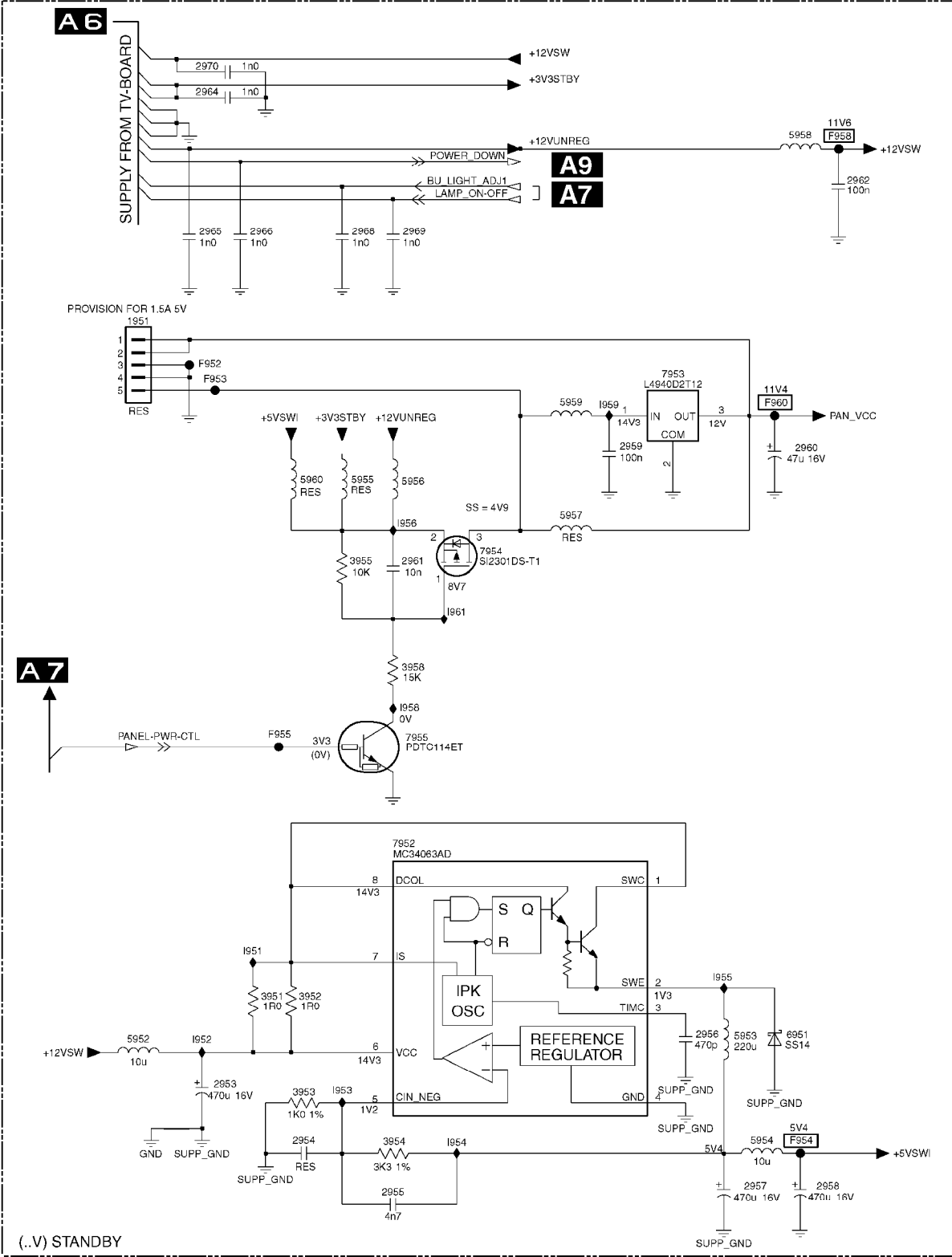
A12 HDMI (MAINLY FOR NAFTA)





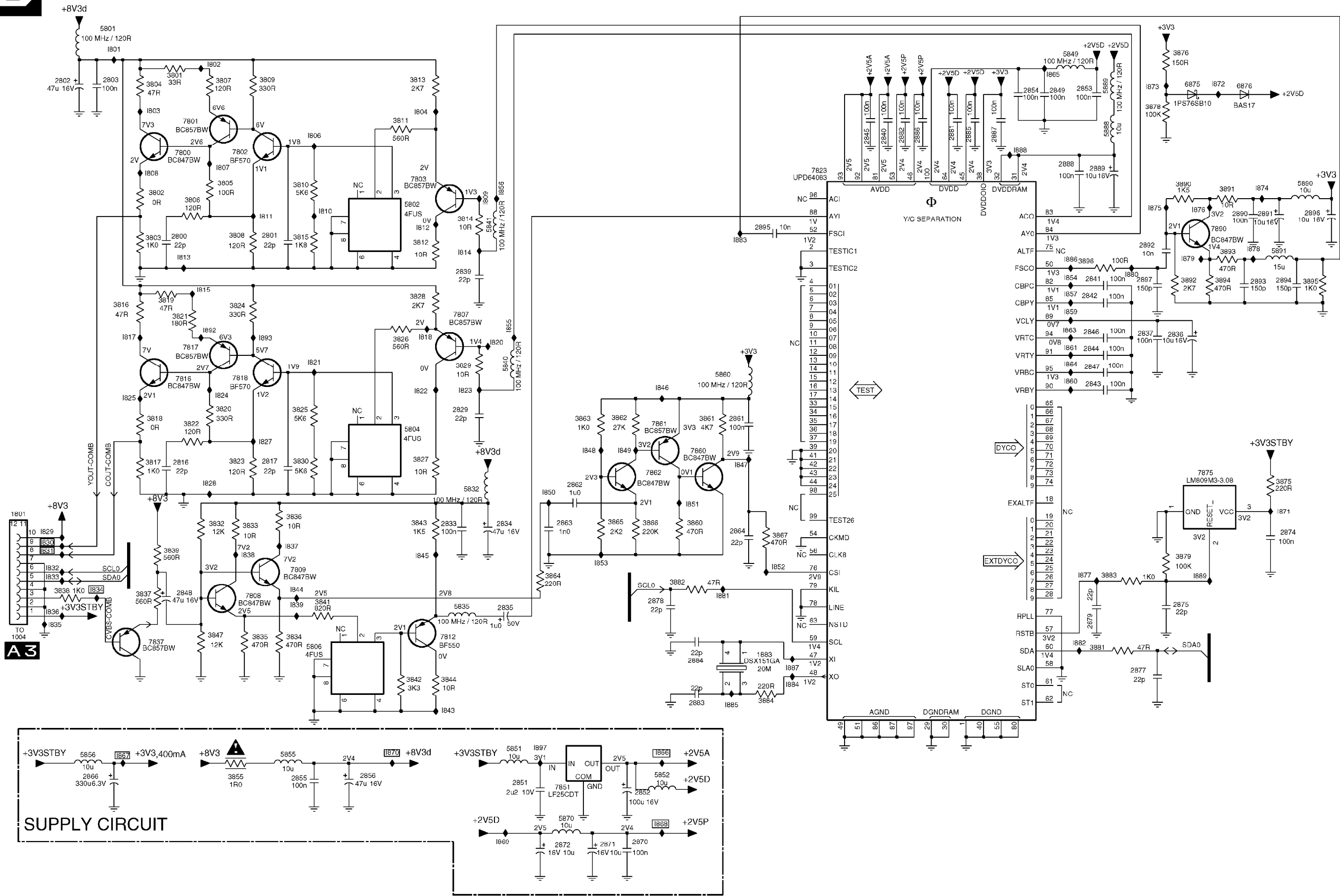


A 1 4 SUPPLY





3D COMB FILTER



\* ITV MTV  
 4304 -- YES  
 4305 -- YES

TO 1540 OF FRONT IR / LED  
 1302  
 1  
 2  
 3  
 4  
 5  
 6  
 WH06D-1

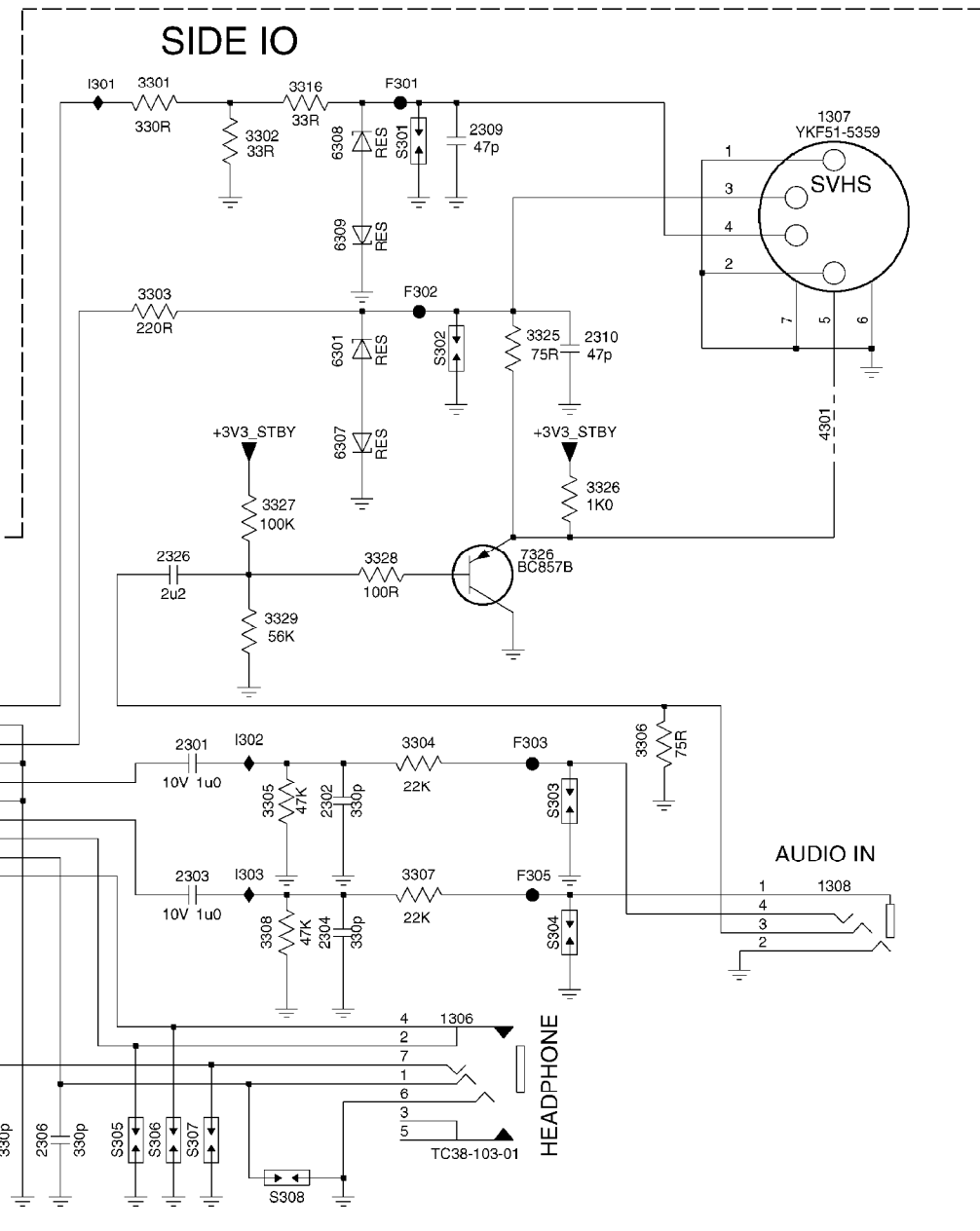
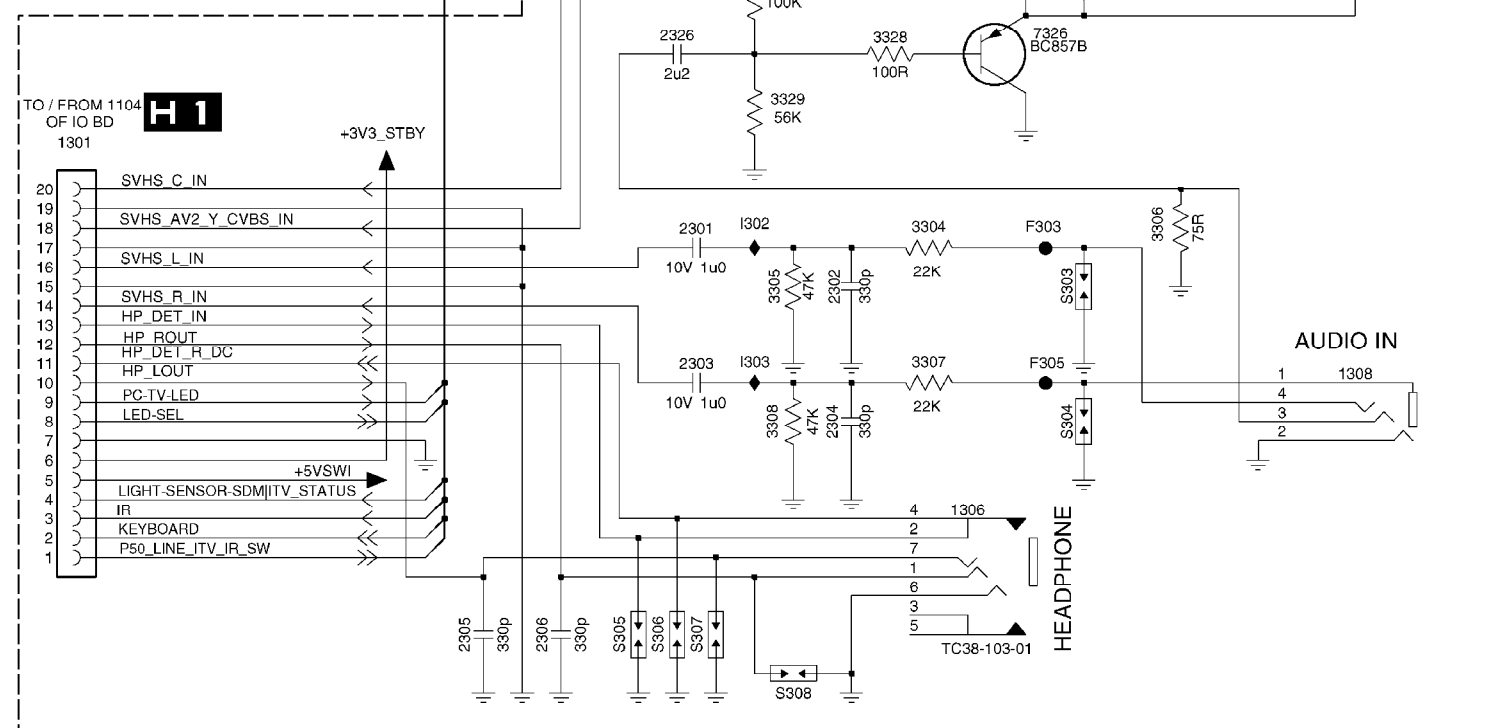
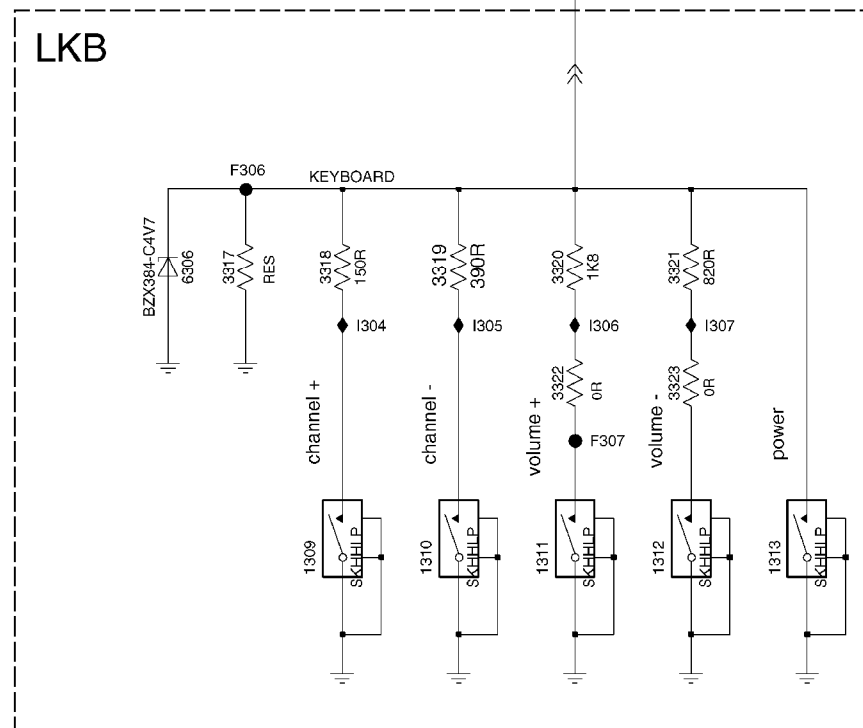
PC-TV-LED\_2  
 IR\_2  
 LIGHT-SENSOR-SDM|ITV\_STATUS  
 3324 100R

4302  
 4306  
 4304  
 4305

BZX384-C3V3  
 6302  
 +3V3\_STBY  
 3311 100R  
 3313 4K7  
 6304 BZX384-C6V8  
 6305 BZX384-C6V8  
 +3V3\_STBY  
 3315 10K

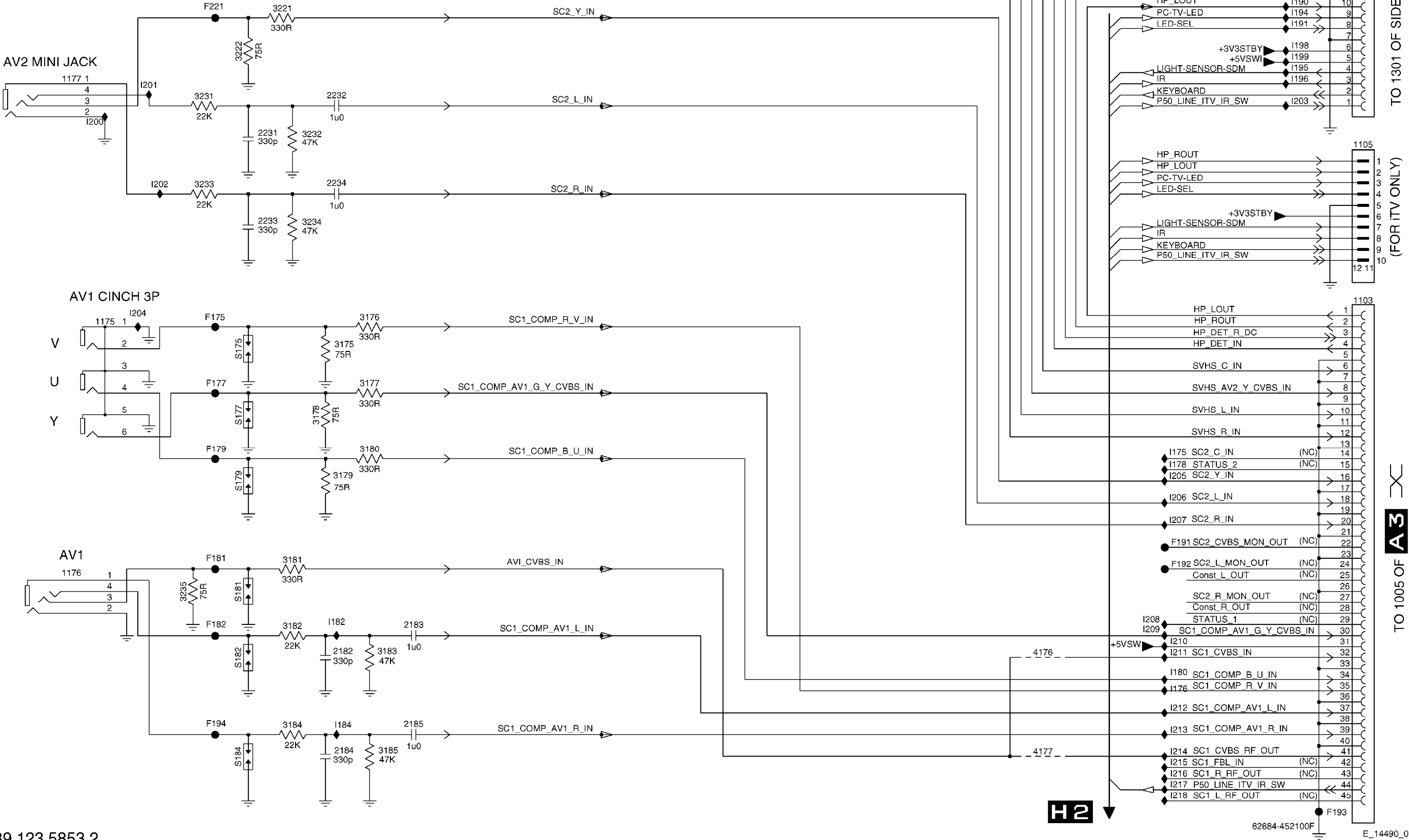
+3V3\_STBY  
 3309 10K  
 1303  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 RJ45 SOCKET

FOR ITV

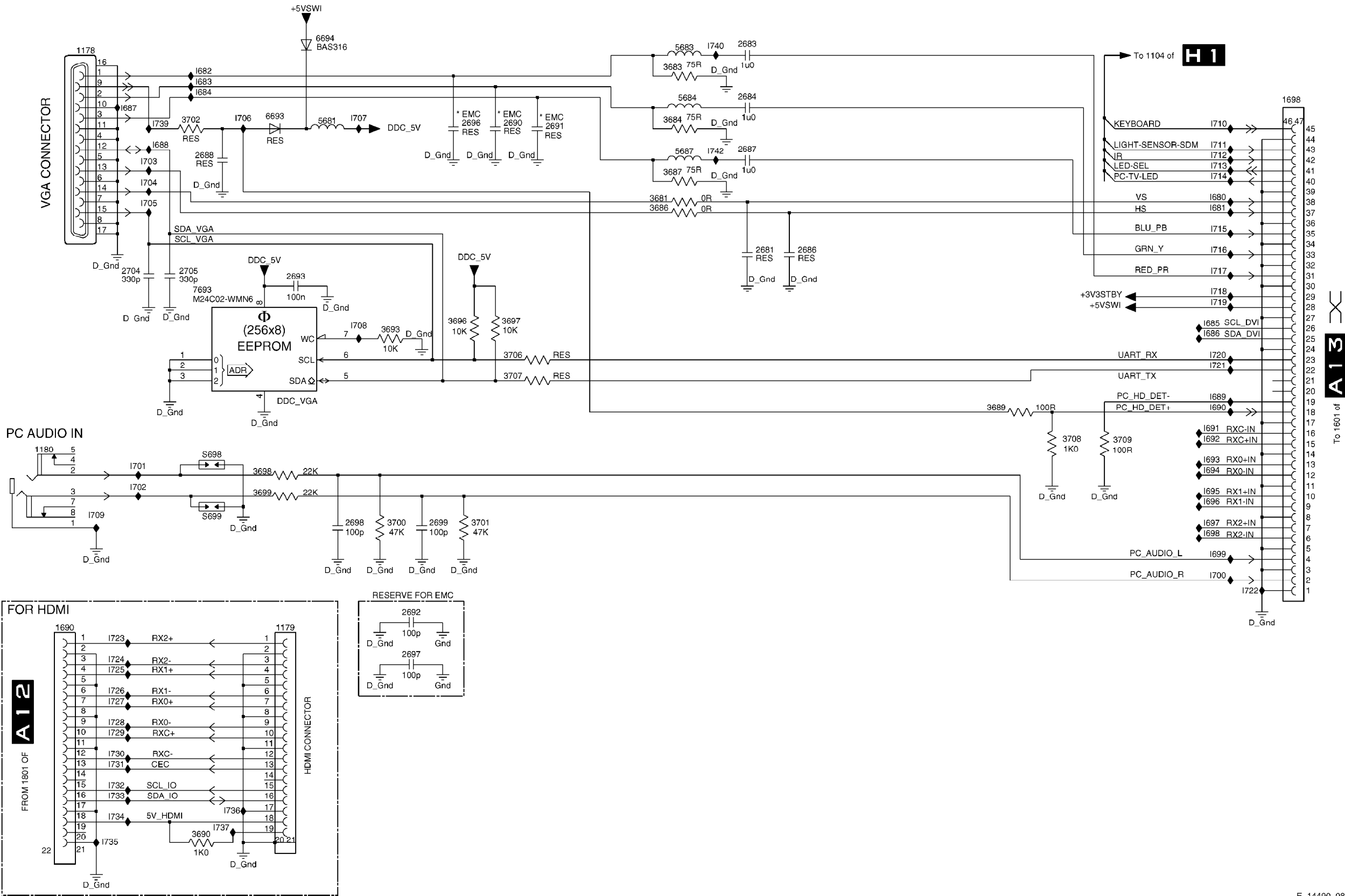


H1

REAR IO CINCH



# H2 PCHD-IO



## REAR IO CINCH



TO 1301 OF SIDE IO BOARD

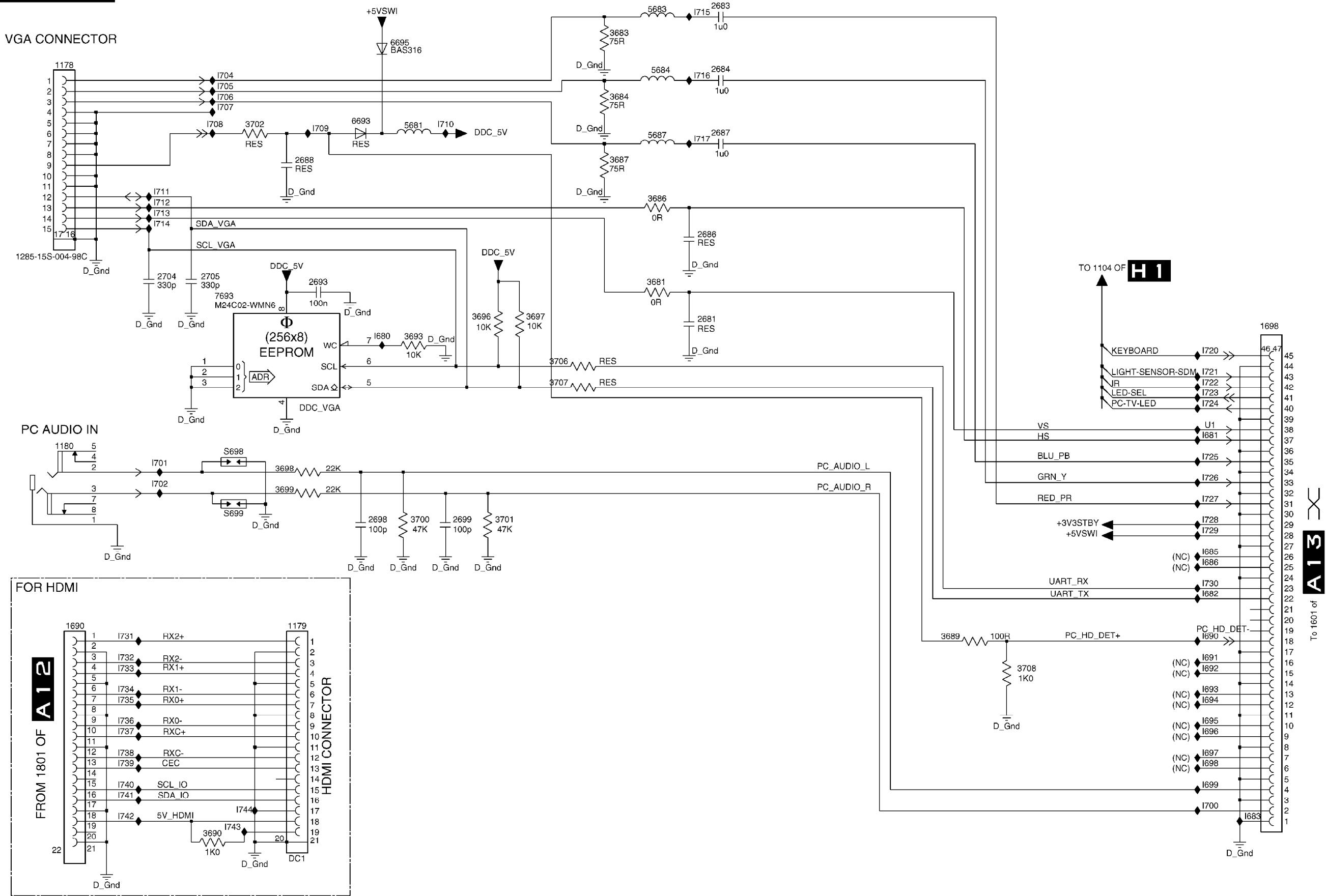
(FOR iTV ONLY)

A3X

TO 1005 OF

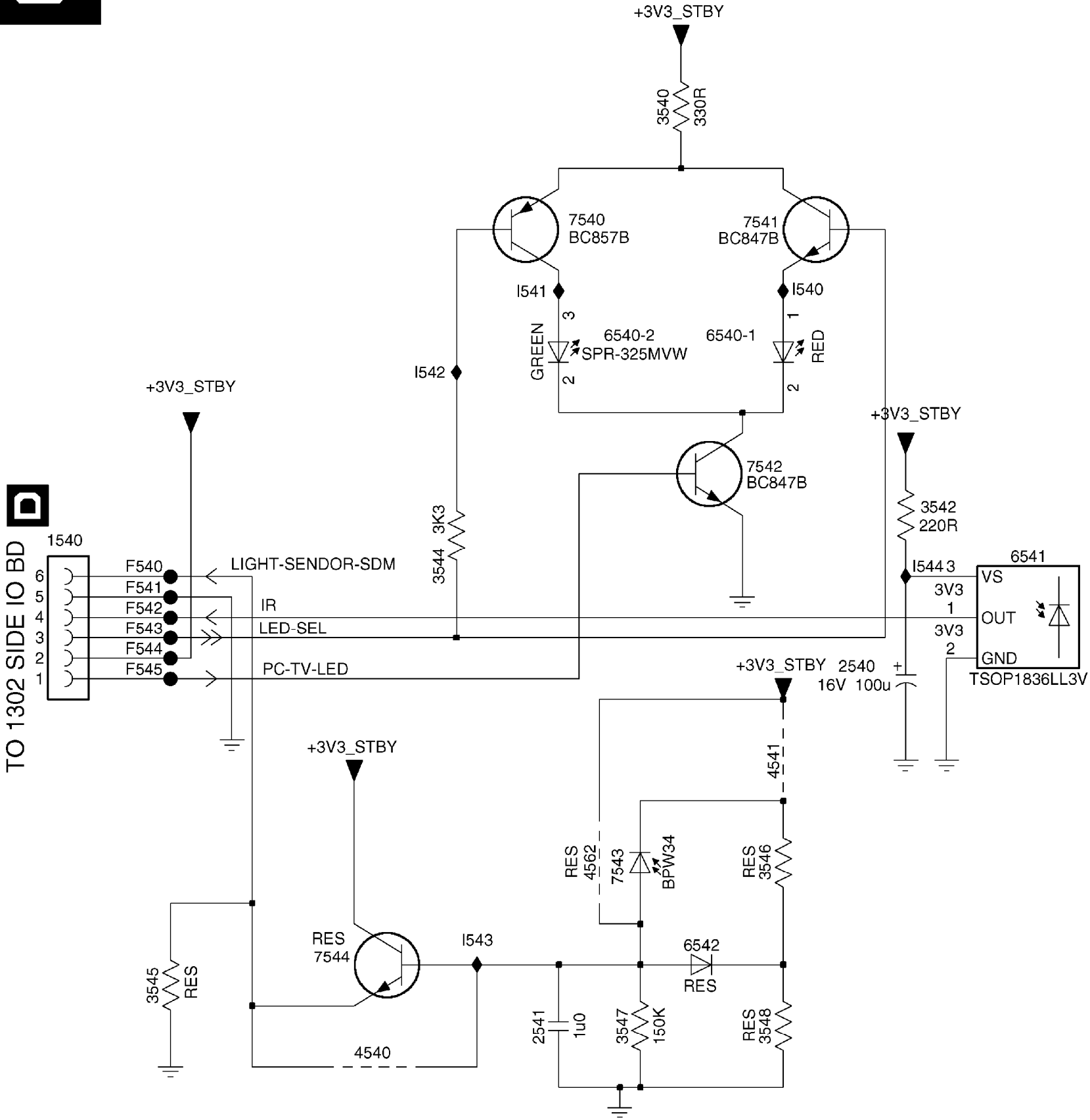
H2

PCHD-IO

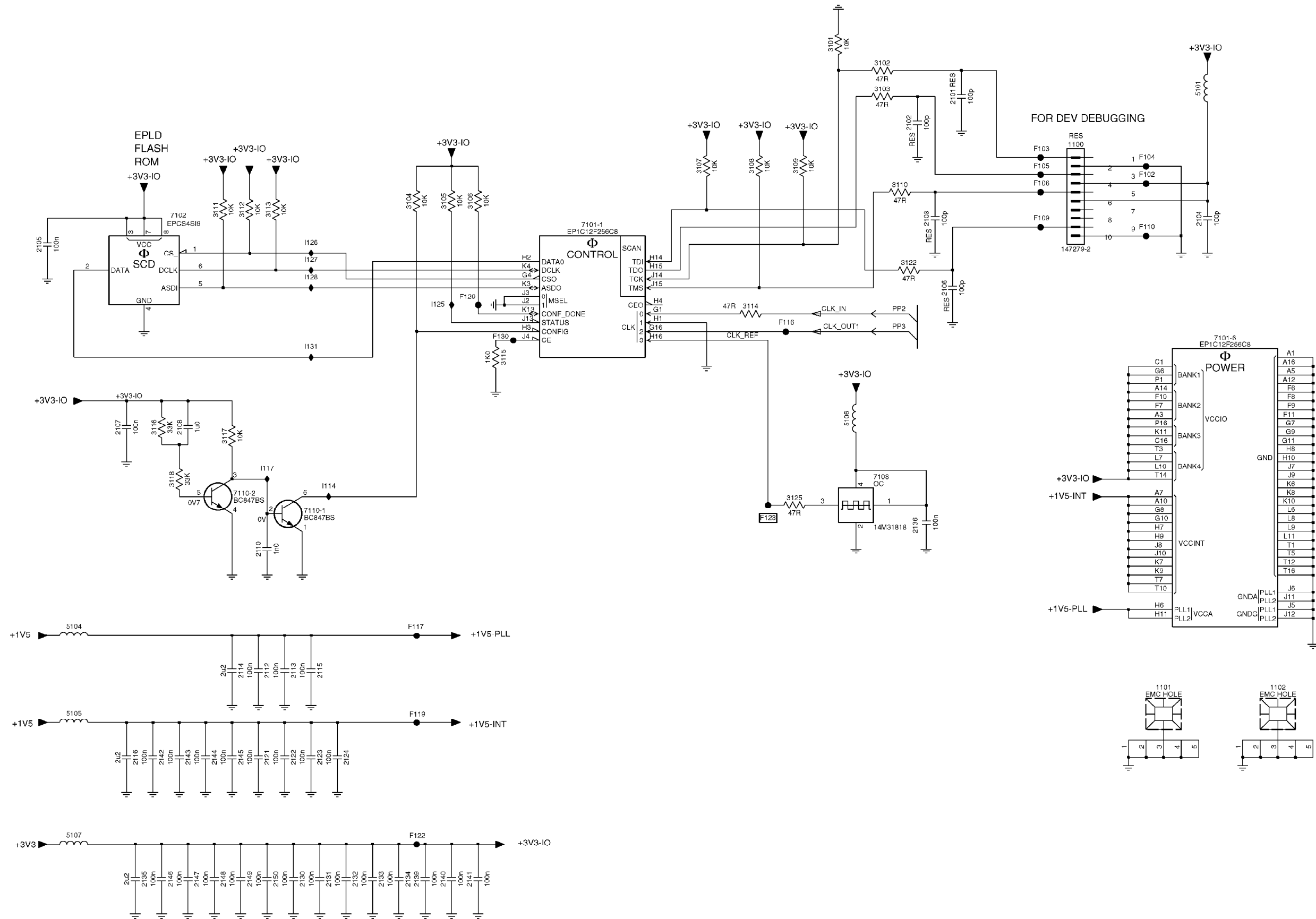




# FRONT IR / LED

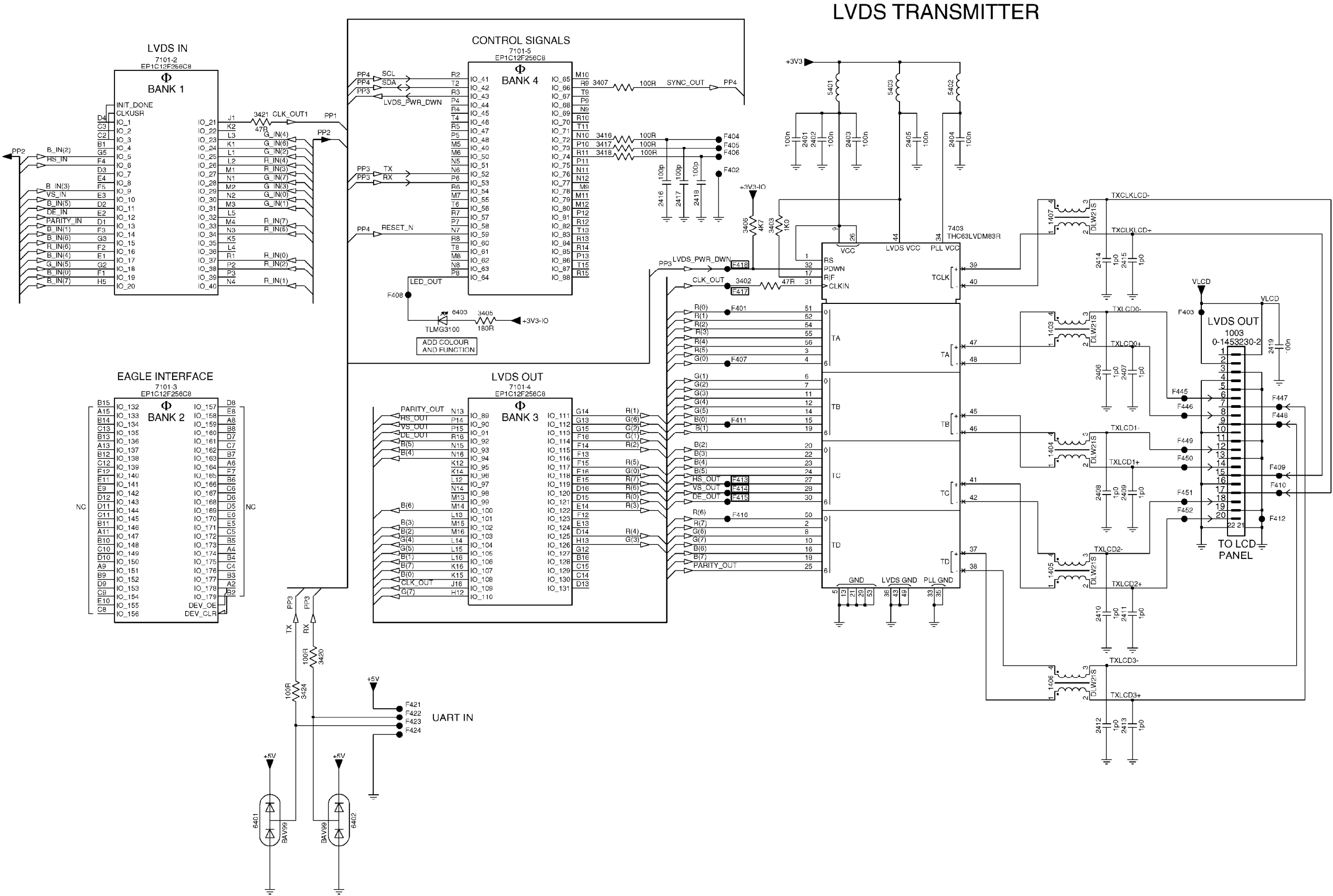


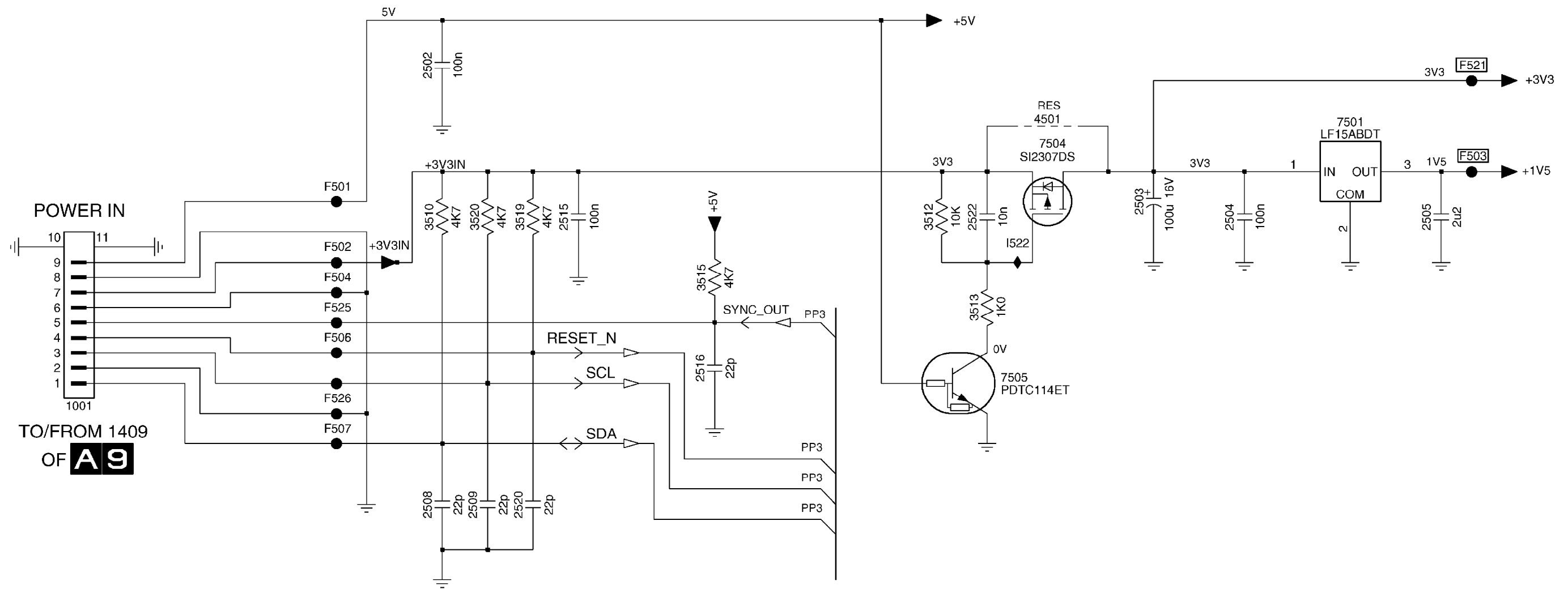


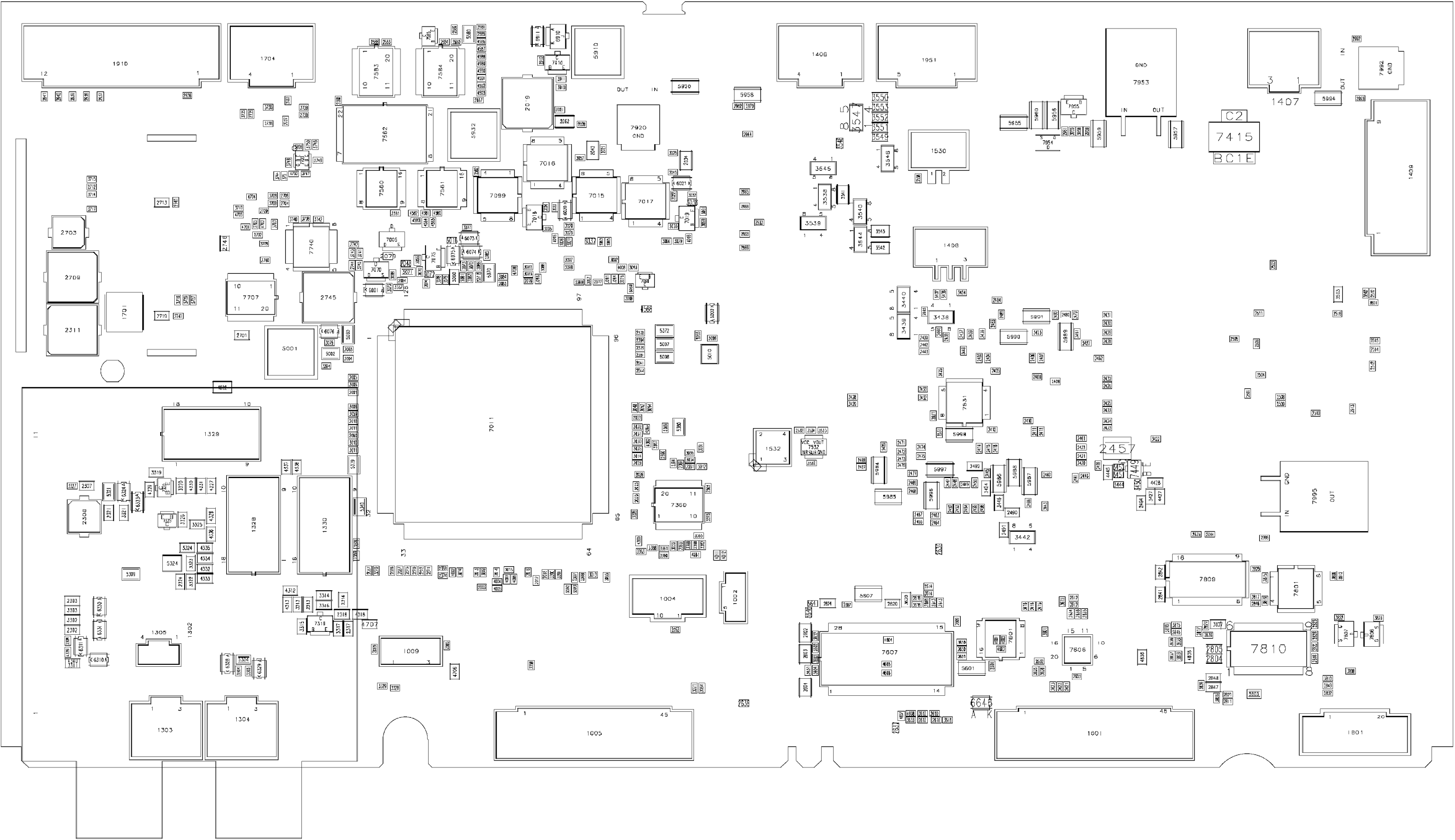




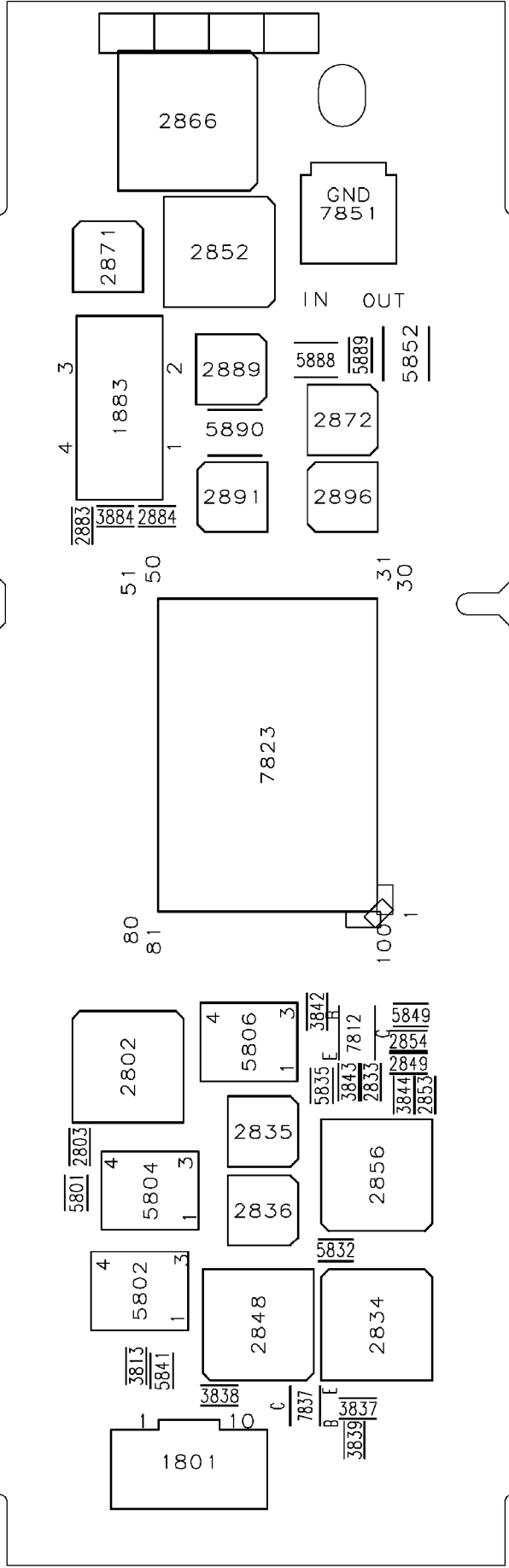
# PP3 EPLD I/O





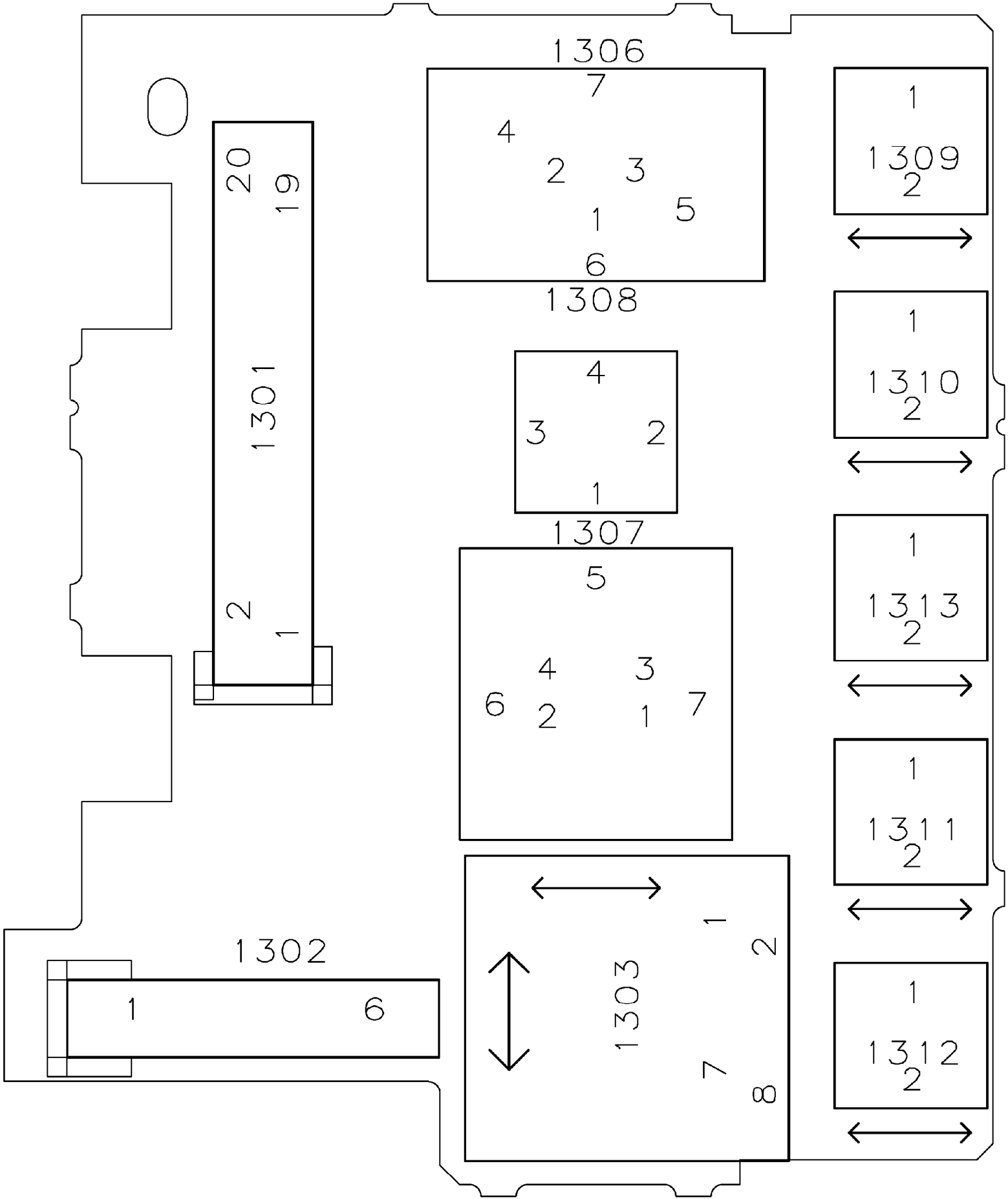


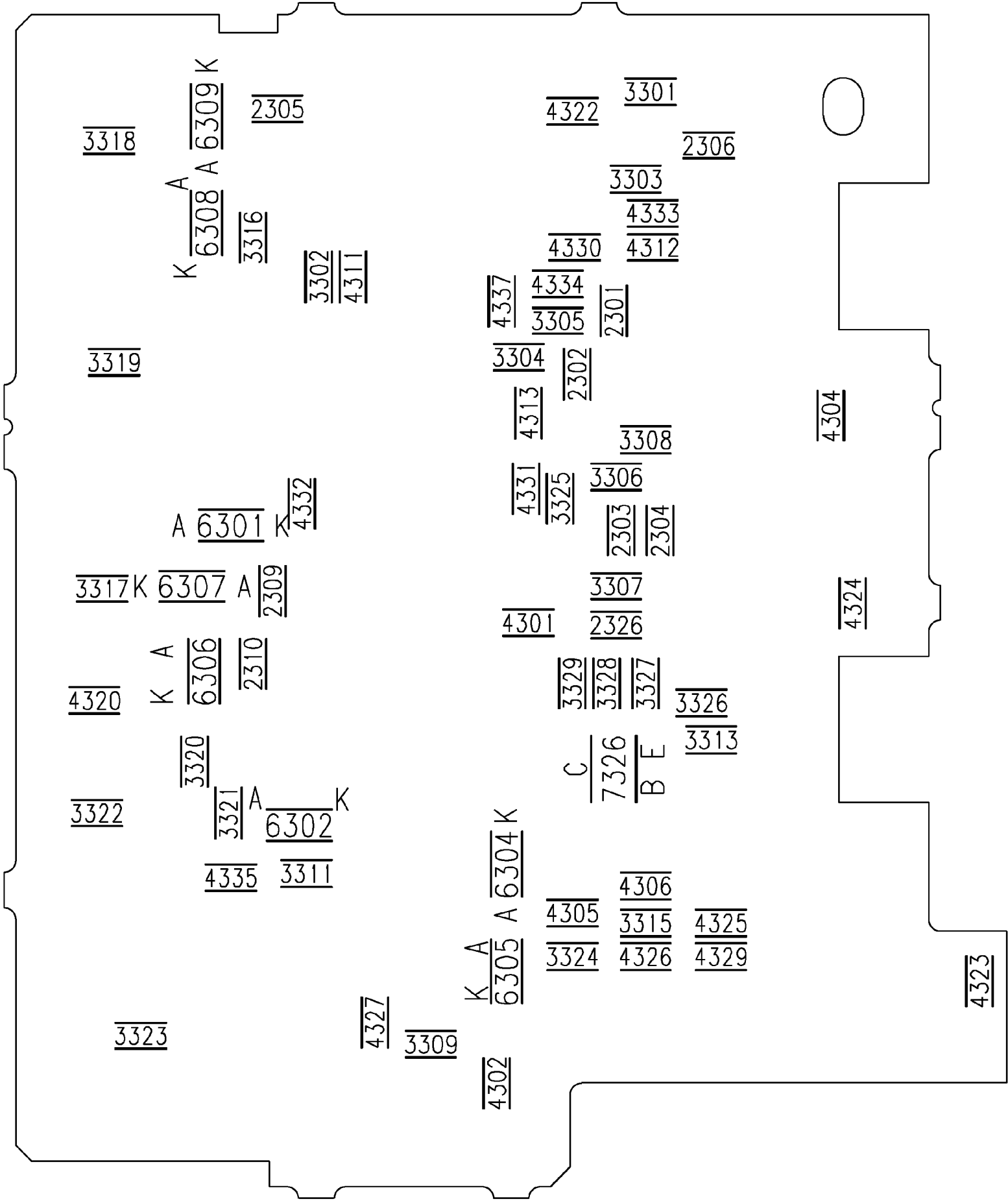


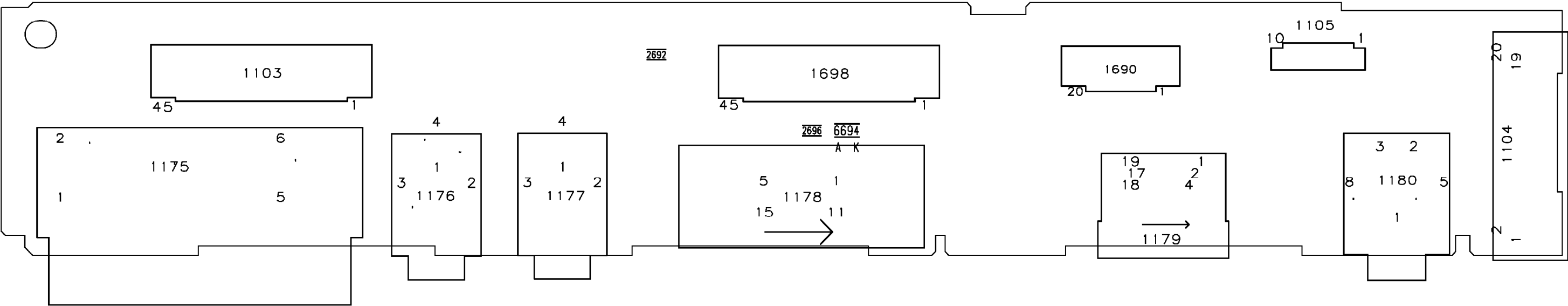




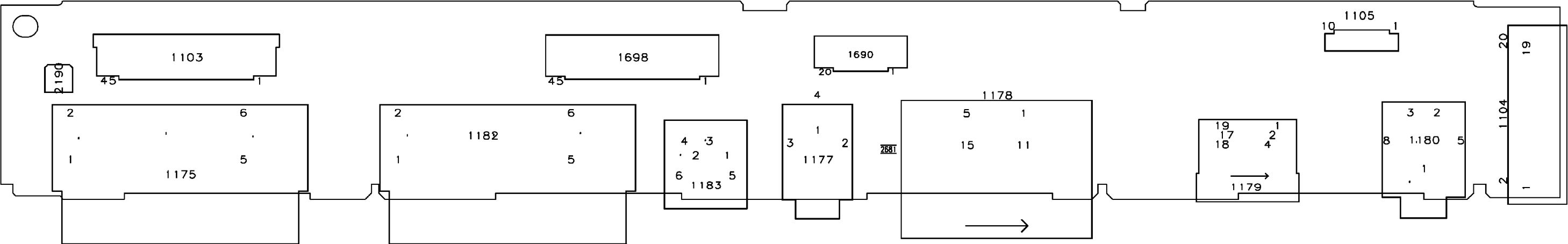


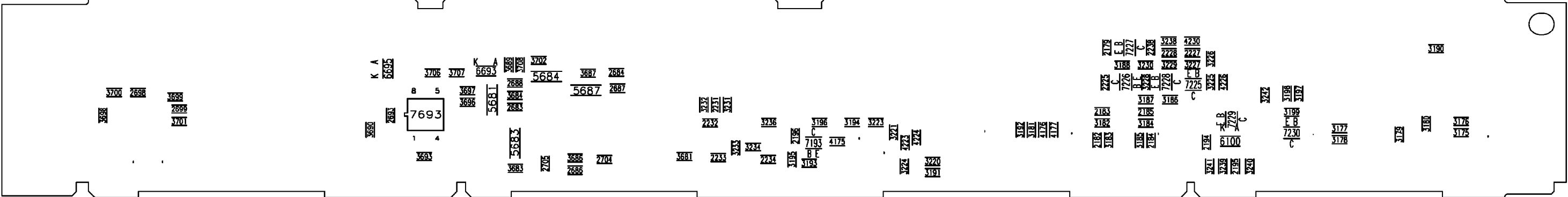


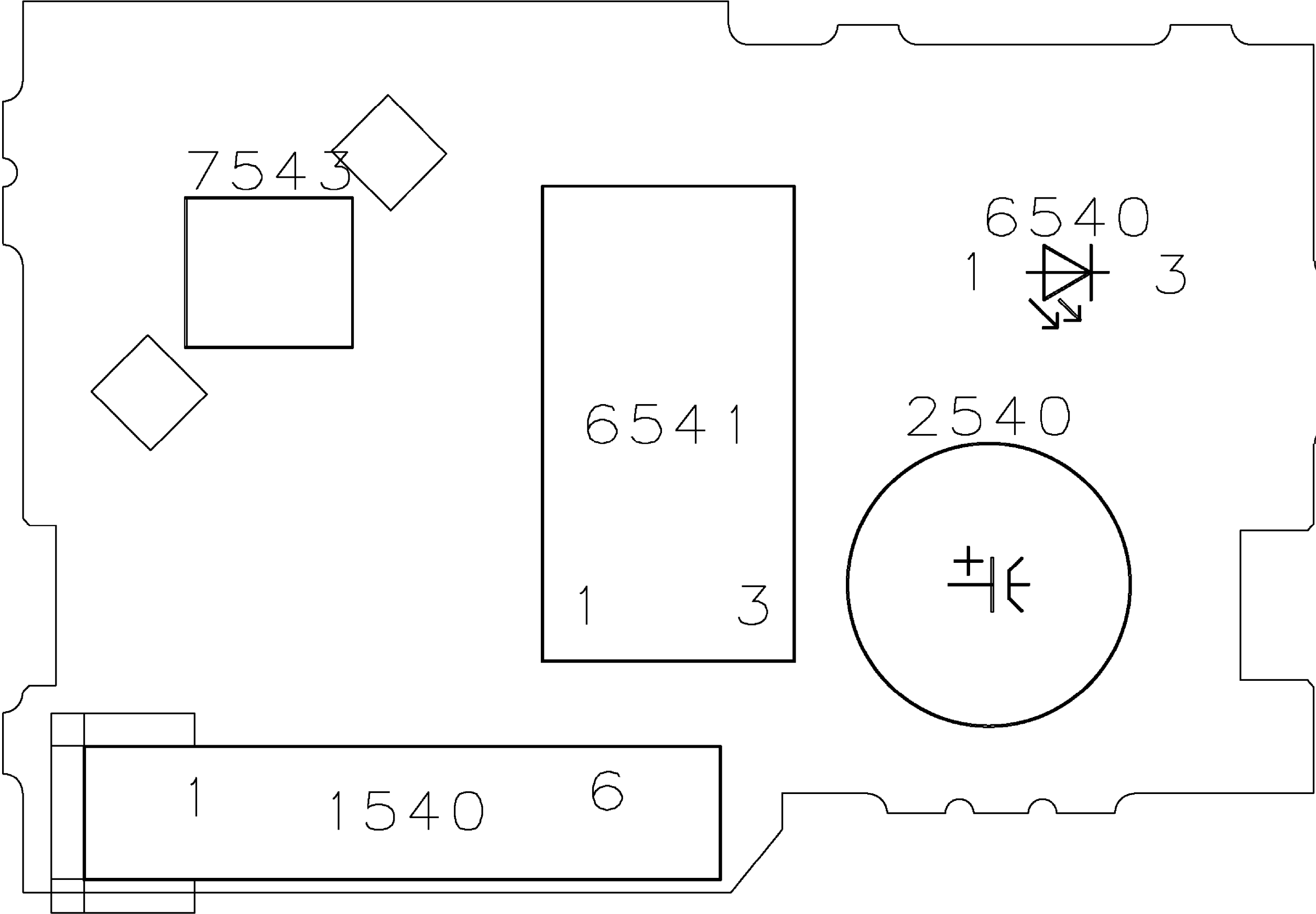


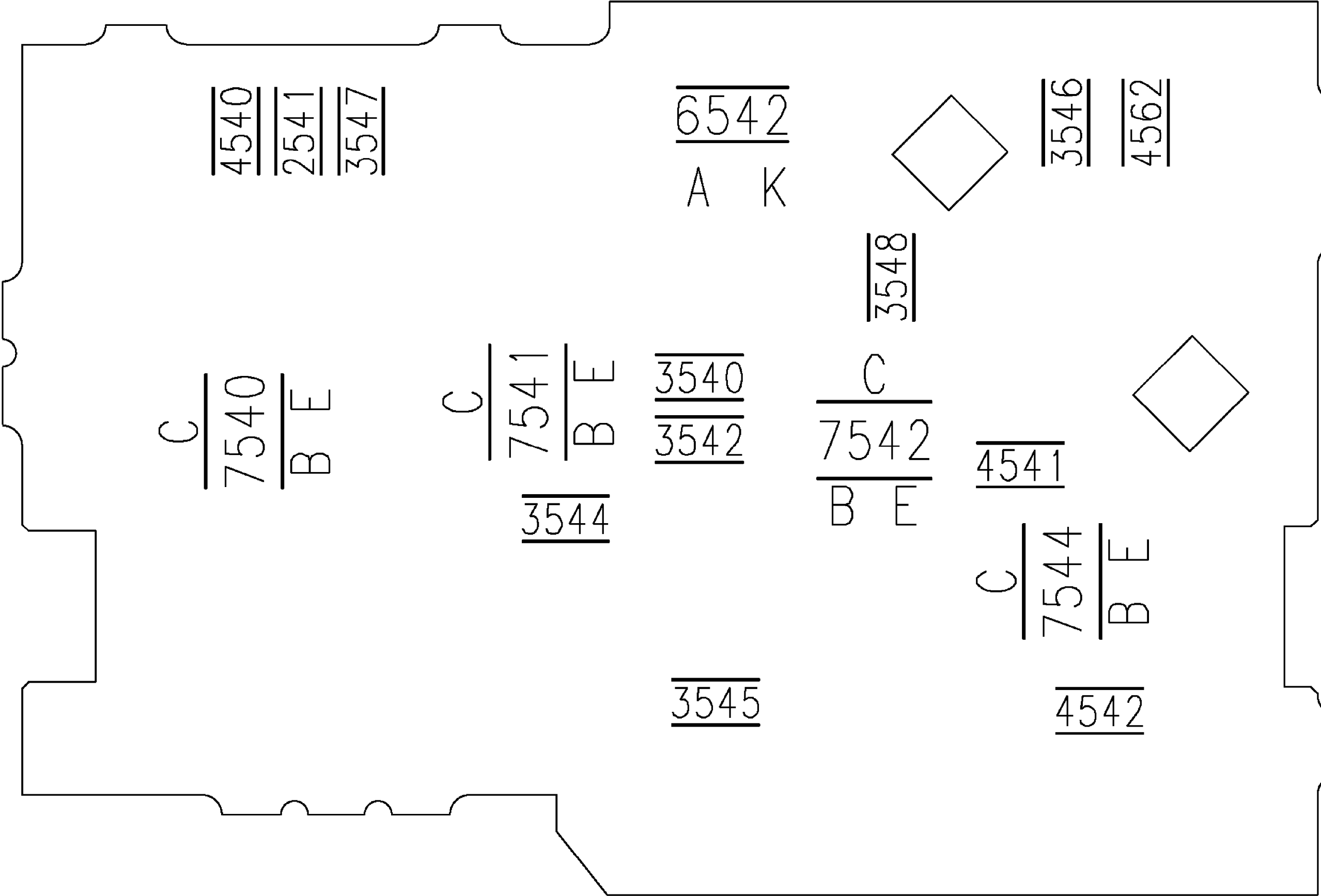




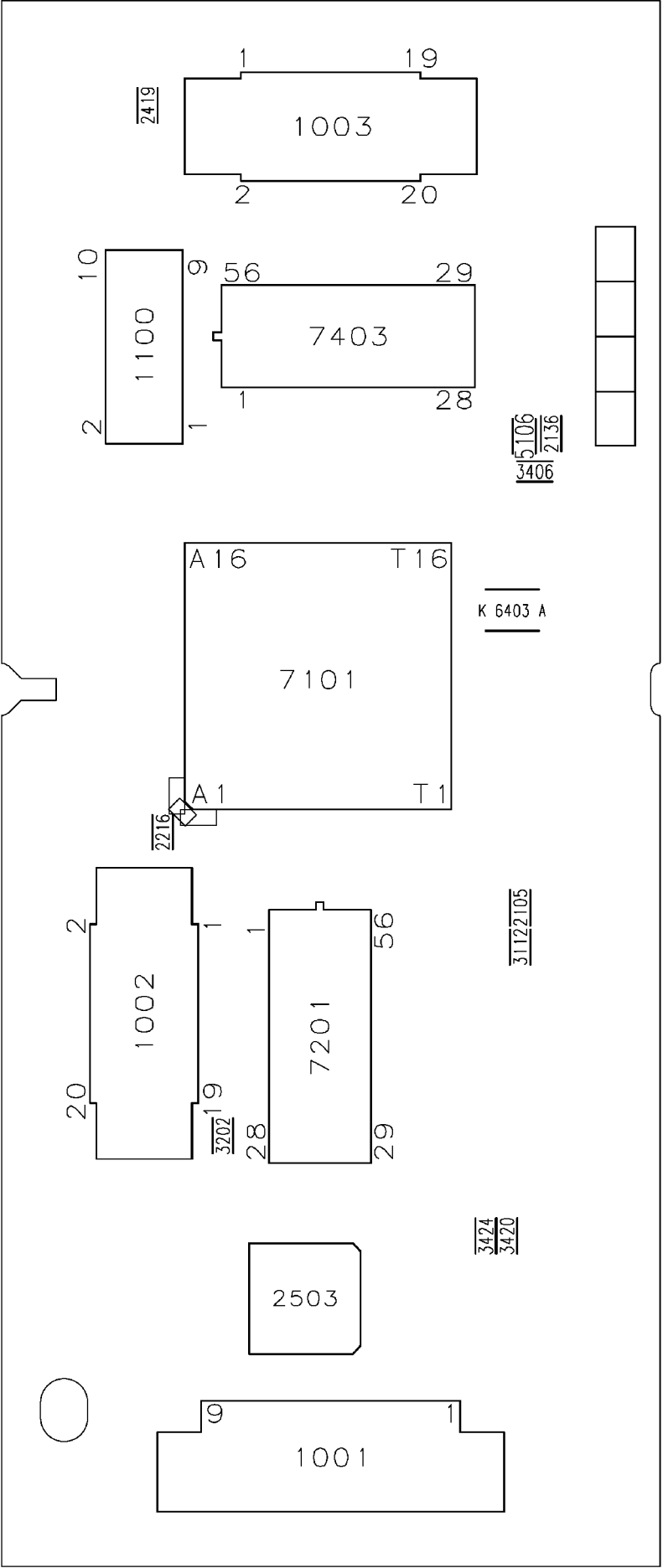




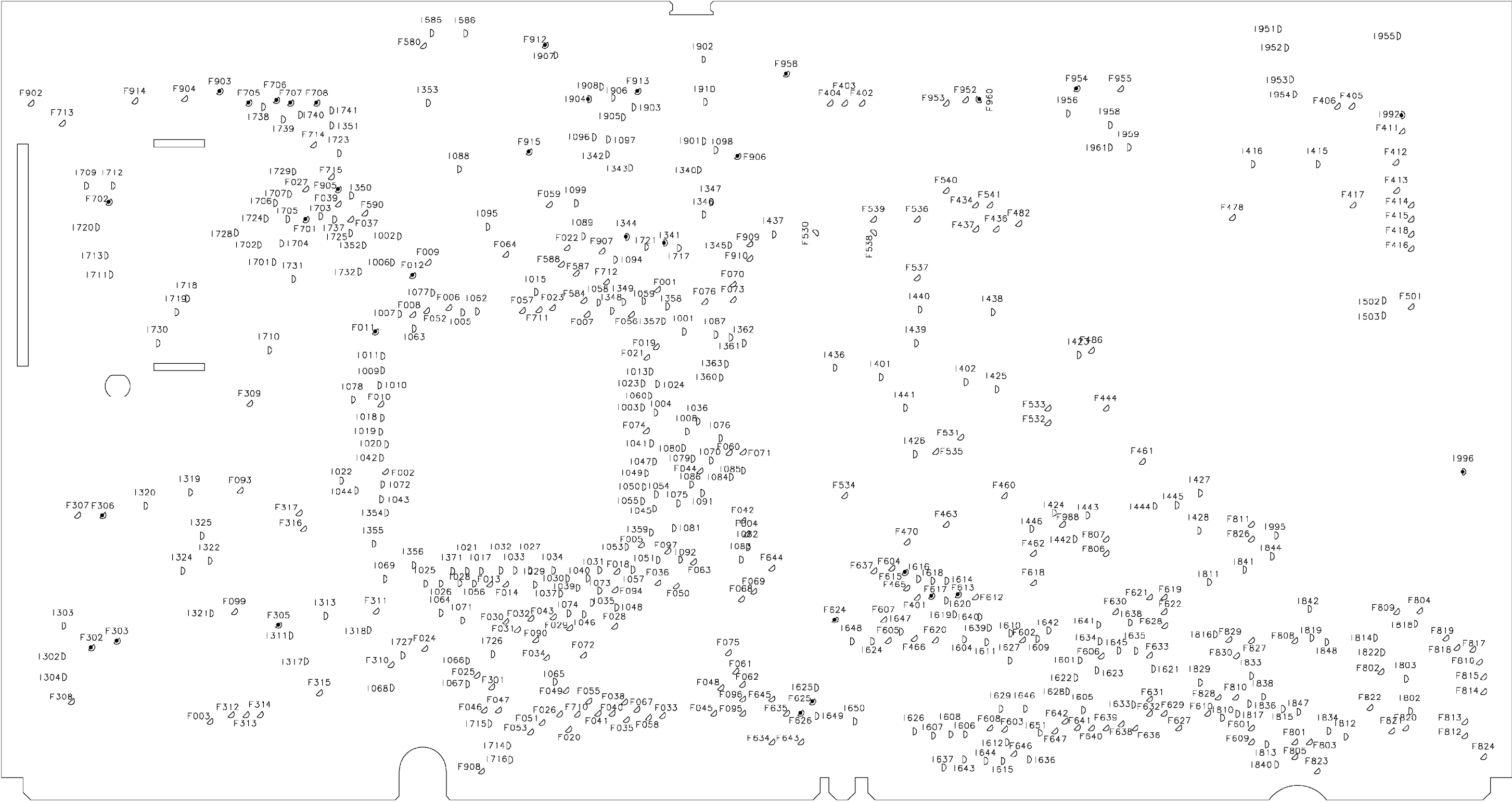


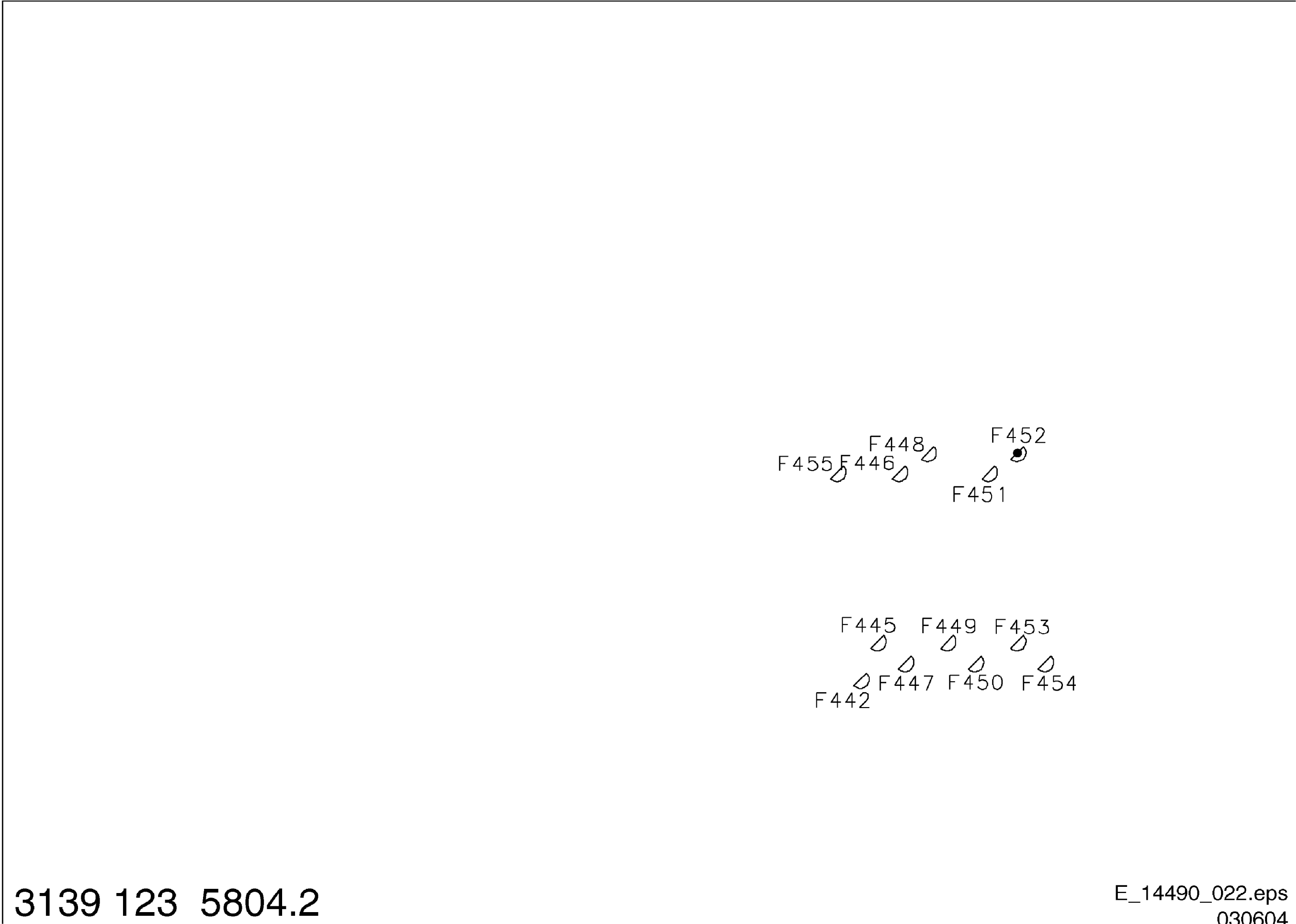




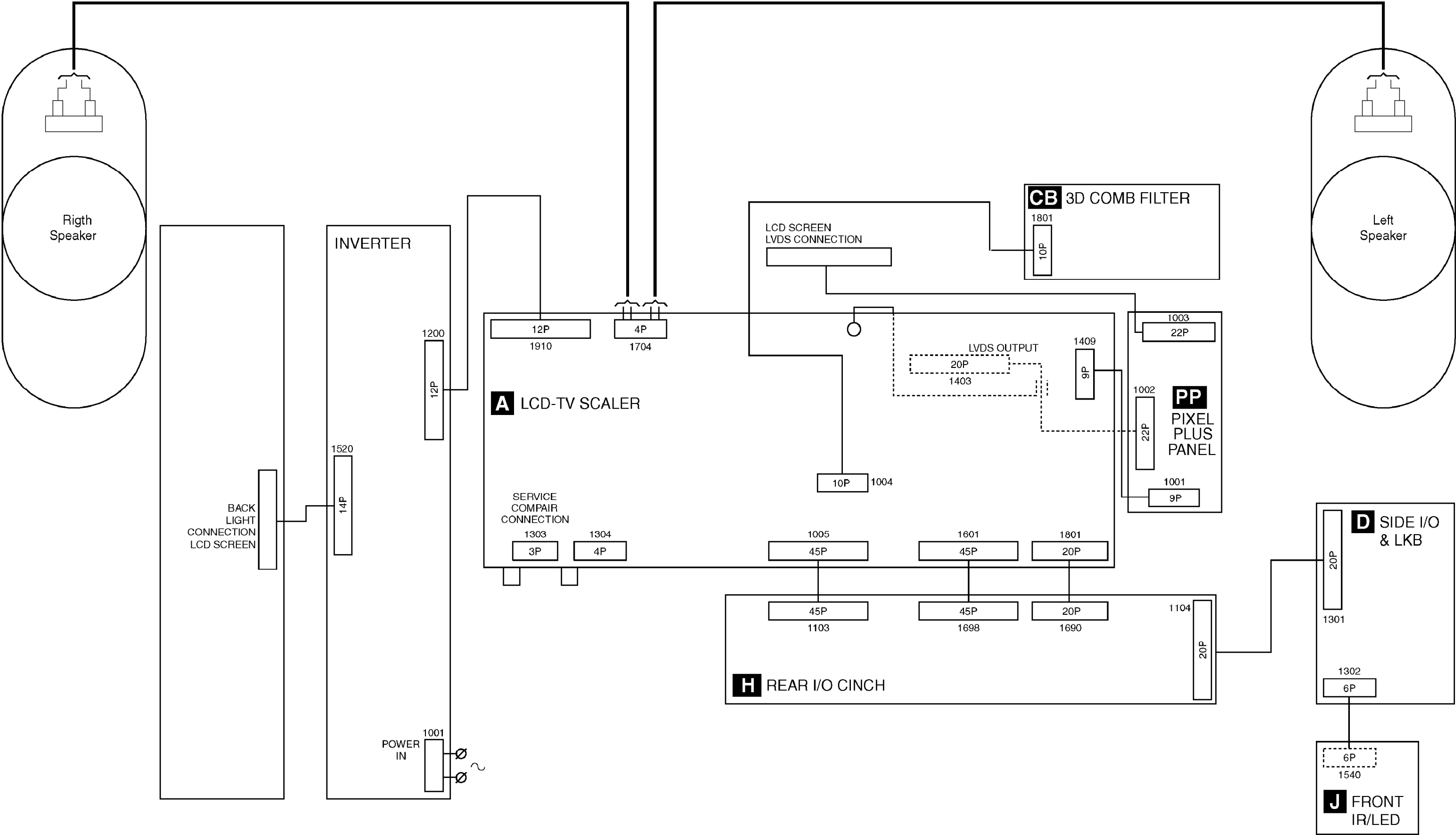




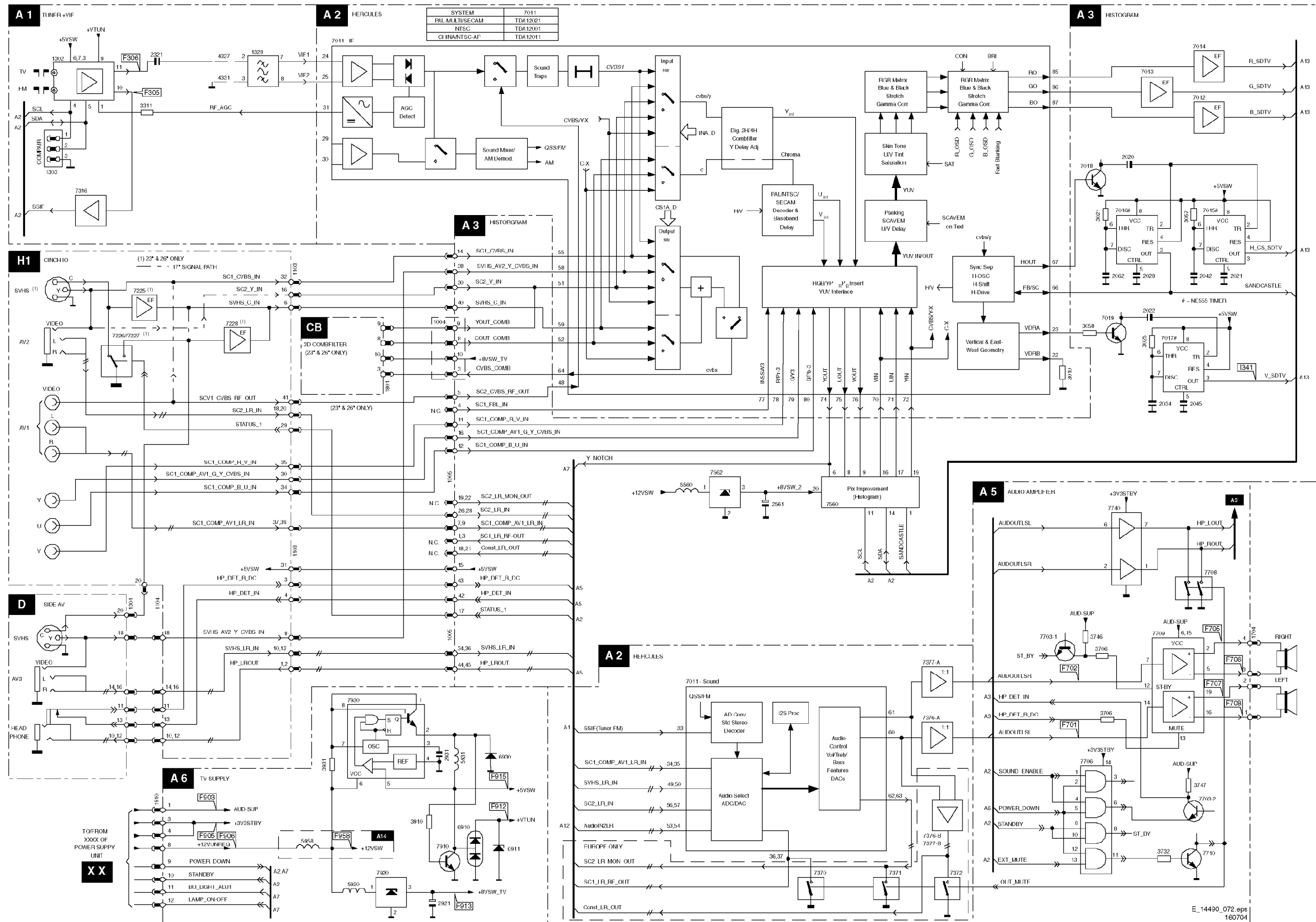




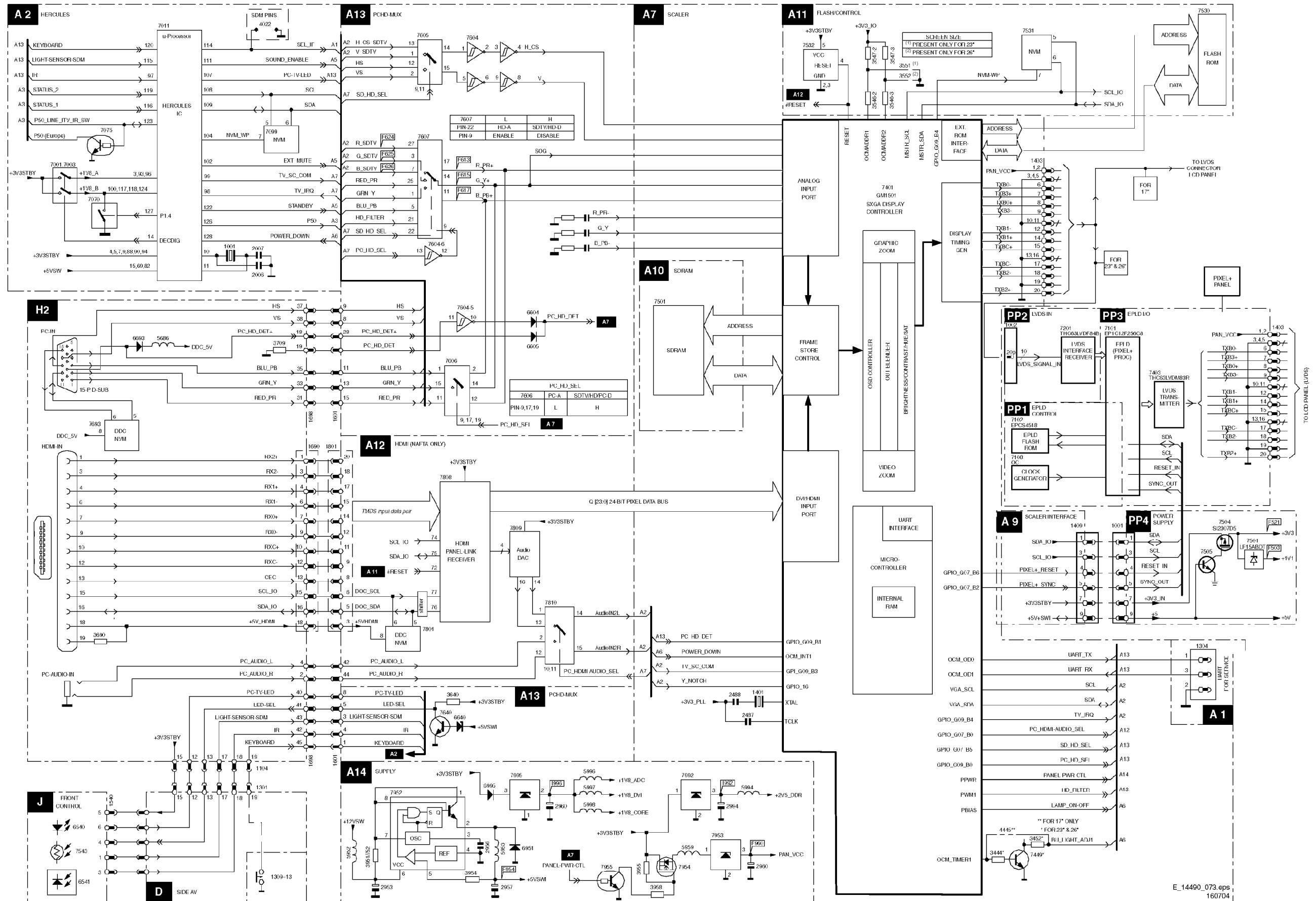
# Wiring Diagram



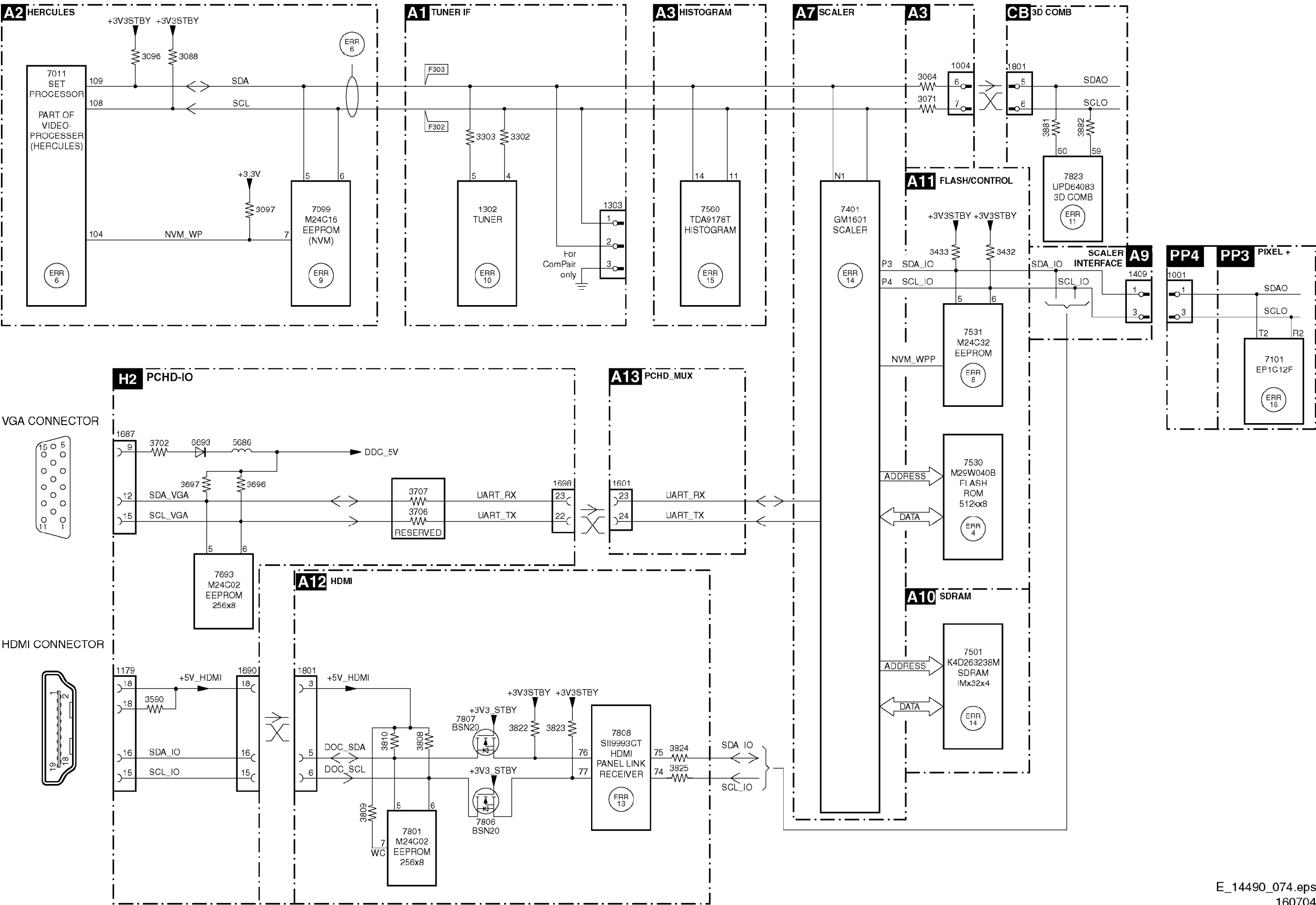
## Block Diagram Tuner and IF Video



## Block Diagram Scaler

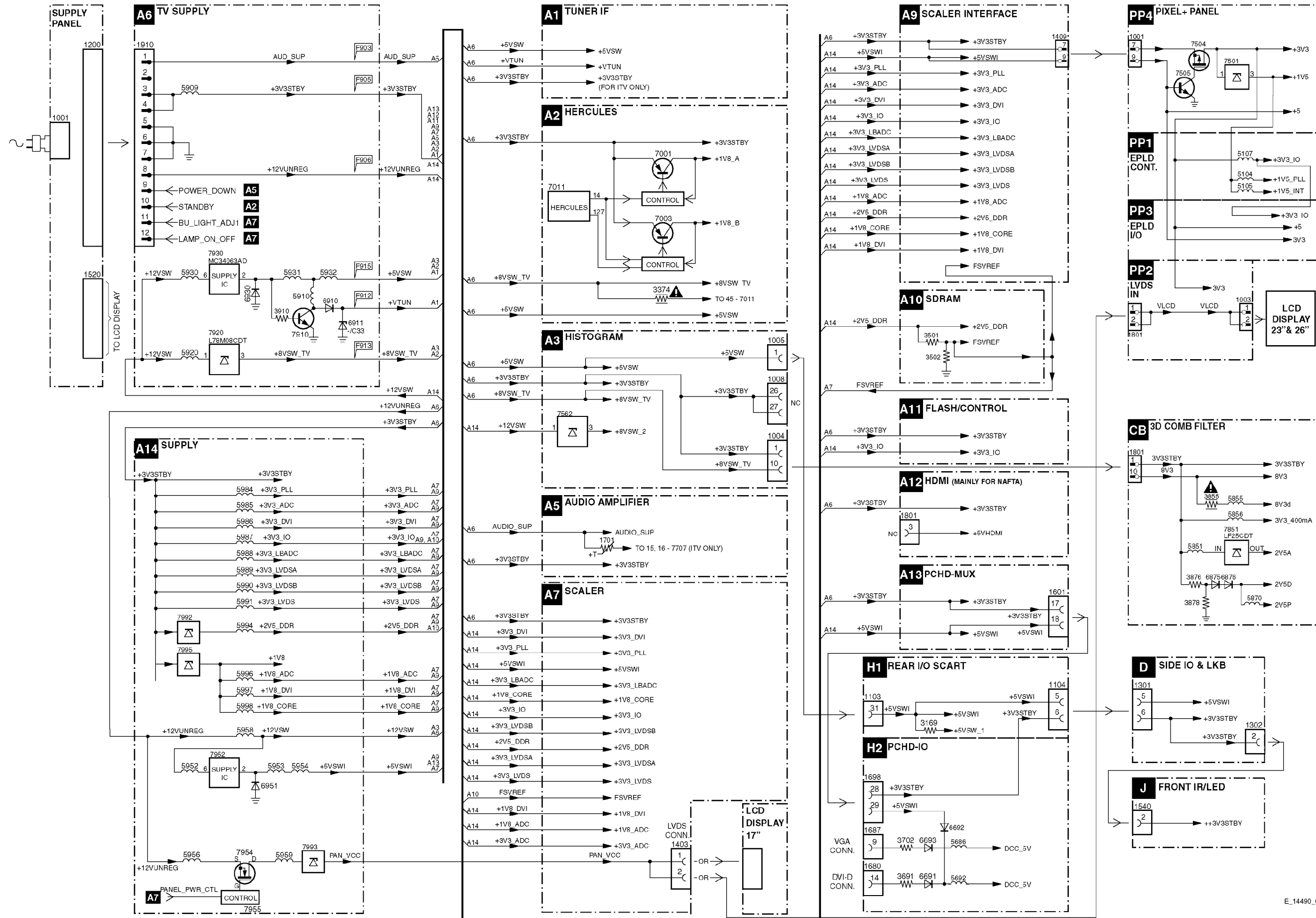


I2C BUS INTERCONNECTION DIAGRAM





## Supply Voltage Overview



# Circuit Descriptions, Abbreviation List, and IC Data Sheets

Index of this chapter

1. Introduction
2. Block Diagram
3. Power Supply
4. Input/Output
5. Tuner and IF
6. Video: TV Part
7. Video: Scaler Part
8. Video: Pixel Plus Part
9. Audio Processing
10. Control
11. LCD Display
12. Abbreviation List
13. IC Data Sheets

## Introduction

The LC4.2 LCD TV is a global LCD TV for the year 2004. It is the successor of the LC03 LCD TV and covers screens sizes 17, 23 and 26 inch (all in 16:9 ratio) and has a new styling, called Disc.

This chassis has the following (new) features:

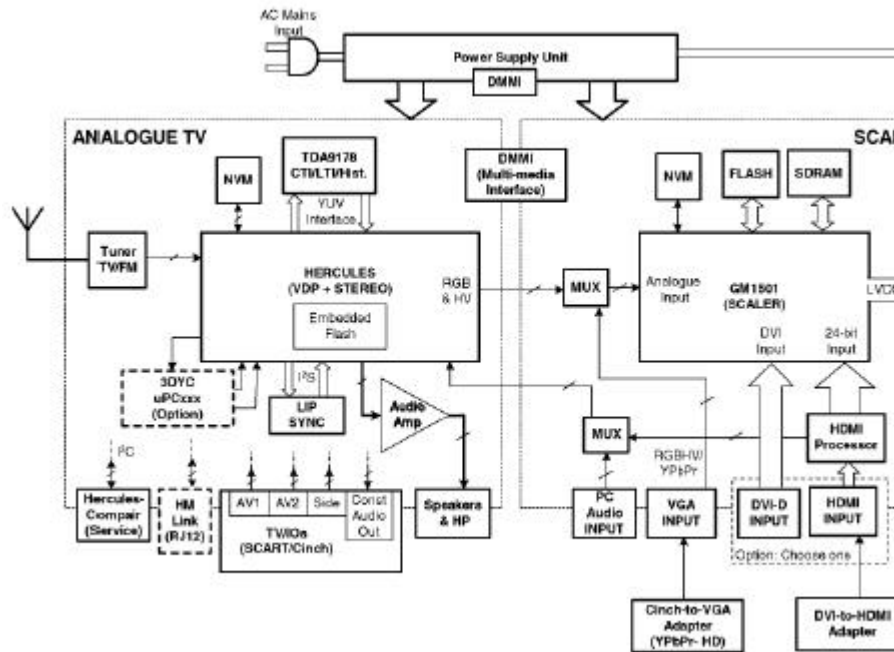
- **Audio:** The sound processor is part of the UOC processor (called “Hercules”). The chassis has a FM Radio with 40 preset channels.
- **Video:** Pixel Plus, Enhanced video features, video drivers, Active Control and multiple PIP.

The architecture consists of a TV and Scaler panel, I/O panel, Side I/O and Local Keyboard panel, Power Supply panel and for 23 and 26 inch models only a 3D Comb filter panel and Pixel Plus panel.

The functions for video/audio processing, microprocessor (P), and CC/Teletext (TXT) decoder are all combined in one IC (TDA120xx, item 7011), the so-called third generation Ultimate One Chip (UOC-III) or “Hercules”. This chip has the following features:

- Control, small signal, mono/stereo, and extensive Audio/Video switching in one IC.
- Upgrade with digital sound & video processing.
- Alignment free IF, including SECAM-L/L1 and AM.
- FM sound 4.5/5.5/6.0/6.5, no traps/bandpass filters.
- Full multi-standard color decoder.
- One crystal reference for all functions (microprocessor, RCP, TXT/CC, RDS, color decoder, and stereo sound processor).

# Block Diagram



**Figure: Block Diagram LC4.2**

The PLL tuner UR1336 (with FM radio) delivers the IF-signal, via audio & video SAW-filters, to the Video Signal Processor and FLASH embedded TEXT/Control/Graphics Micro Controller TDA120x1 (item 7011, also called Hercules). This IC has the following functions:

- Analogue Video Processing
- Sound Demodulation
- Audio Interfaces and switching
- Volume and tone control for loudspeakers
- Reflection and delay for loudspeaker channels
- Micro Controller
- Data Capture
- Display

The Hercules has one input for the internal CVBS signal and a video switch with 3 external CVBS inputs and a CVBS output. All CVBS inputs can be used as Y-input for Y/C signals.

However, only 2 Y/C sources can be selected because the circuit has 2 chroma inputs. It is possible to add an additional CVBS (Y)/C input (CVBS/YX and CX) when the YUV interface and the RGB/YPRPB input are not needed. The I/O is divided over two parts: Rear I/O and Side I/O. The rear has two AV inputs with CVBS, Y/C and YUV, a PC (VGA) input, and an HDMI input. The side has a CVBS and Y/C (SVHS) input. The video part delivers the RGB signals to the Scaler IC.

The Genesis GM1501 Malibu Scaler IC can receive two video input signals: SDTV (from Hercules), DVI (from external DVI source), or PC (from external computer).

After the video processing, the digital data is send via a Low Voltage Differential Signaling bus to the LCD panel. LVDS is used to improve data speed and to reduce EMI significantly.

There are two I2C lines and two interrupt and communication lines (TV\_IRQ and TV\_SC\_COM) for the Scaler control. The Scaler communicates with the Hercules as a slave device. To avoid buffer overflow at the Scaler side, the TV\_SC\_COM line provides the necessary hardware flow control. To allow bi-directional communication, the Scaler can initiate a service interrupt-request to the Hercules via the TV\_IRQ line.

The Hercules, and EEPROM are supplied with 3.3 V, which is also present during STANDBY.

The EEPROM, or NVM (Non Volatile Memory) is used to store the settings.

The sound part is built up around the Hercules. The Source Selection, Decoding and Processing is all done by the Hercules.

Power supply input are several DC voltages coming from a supply panel.

## Power Supply

For Service, this supply panel is a black box. When defect (this can be traced via the faultfinding tips, or by strange phenomena), a new panel must be ordered (see table below for ordering codes), and after receipt, the defective panel must be send for repair.

Screen Size (inches)	Ordering Code
17	3122 137 23040
23	3122 137 23070
26	3122 137 23080

**Table: Ordering Codes Power Supply**

## Input/Output

The I/O is divided over two parts: Rear I/O and Side I/O. The rear has two AV inputs with CVBS, Y/C and YUV, a PC (VGA) input, and an HDMI input. The side has a CVBS and Y/C (SVHS) input.

**AV1:** The input of AV1 is CVBS + YUV + L/R.

**AV2:** The input of AV2 is Y/C + CVBS + L/R.

**AV2:** The input of AV2 is Y/C + CVBS + L/R.

The selection of the external I/O's is controlled by the Hercules.

**PC (VGA) in:** This input is directly going to the Scaler IC. See paragraph "Video: Scaler Part".

**HDMI in:** This input is directly going to the Scaler IC. See paragraph "Video: Scaler Part".

## Tuner and IF

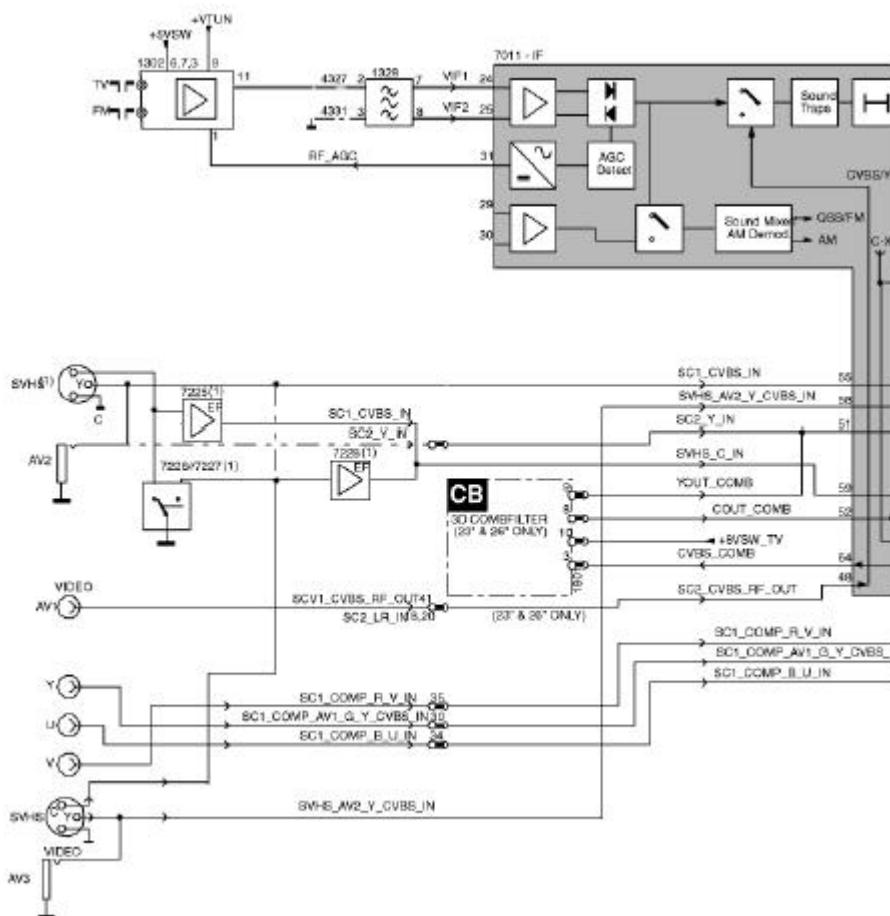
A Philips UR13xx Tuner with second input (for FM Radio) is used in the TV board. The SIF and FM signals are decoded by the Hercules. Tuning is done via I2C.

## Video IF Amplifier

The IF-filter is integrated in a SAW (Surface Acoustic Wave) filter. One for filtering IF-video (1328) and one for IF-audio (1330). The type of these filters is depending of the standard(s) that has to be received.

The output of the tuner is controlled via an IF-amplifier with AGC-control. This is a voltage feedback from pin 31 of the Hercules to pin 1 of the tuner. The AGC-detector operates on top sync and top white level. AGC take-over point is adjusted via the service alignment mode 'Tuner' - 'AGC'. If there is too much noise in the picture, then it could be that the AGC setting is wrong. The AGC-setting could also be mis-aligned if the picture deforms with perfect signal; the IF-amplifier amplifies too much.

## Video: TV Part (diagrams A1, A2, and A3)



**Figure: Block diagram video processing**

The video processing is completely handled by the Hercules:

- IF demodulator.
- Chrominance decoder.
- Sync separator.
- Horizontal & vertical drive.
- RGB processing.
- CVBS and SVHS source select.

It has also build in features like:

- CTI.
- Black stretch.
- Blue stretch.
- White stretch.
- Slow start up.
- Dynamic skin tone correction etc.

Further, it also incorporates sound IF traps and filters, and requires only one crystal for all systems.

### **Histogram (YUV picture improvement) IC**

The demodulated video-signal can be checked on pins 74, 75, and 76 of IC7011 and is fed to pins 70, 71, and 72. In this path, the Histogram IC TDA9171 is inserted.

This TDA9178 can control various picture improvements:

- Histogram processing.
- Colour transient improvement.
- Luminance transient improvement.
- Black and white stretch.
- Skin tone correction.
- Green enhancement.
- Blue stretch.
- Smart peaking.
- Video dependent coring.
- Colour dependent stretching.

Since the TDA9171 is connected to the Hercules, picture improvement works only for signals that are routed trough the Hercules and not for signals directly connected to the Scaler.

## Video: Scaler Part (diagram A7 and A13)

The Genesis gm1501 Scaler is a dual channel graphics and video processing IC for LCD monitors and televisions incorporating Picture in Picture, up to SXGA output resolutions. The Scaler controls the display processing in an LCD TV, e.g. like the deflection circuit in a CRT-based TV. It controls all the view modes (e.g. like 'zooming' and 'shifting'). Features like PC (VGA) or HD inputs, are also handled by this part.

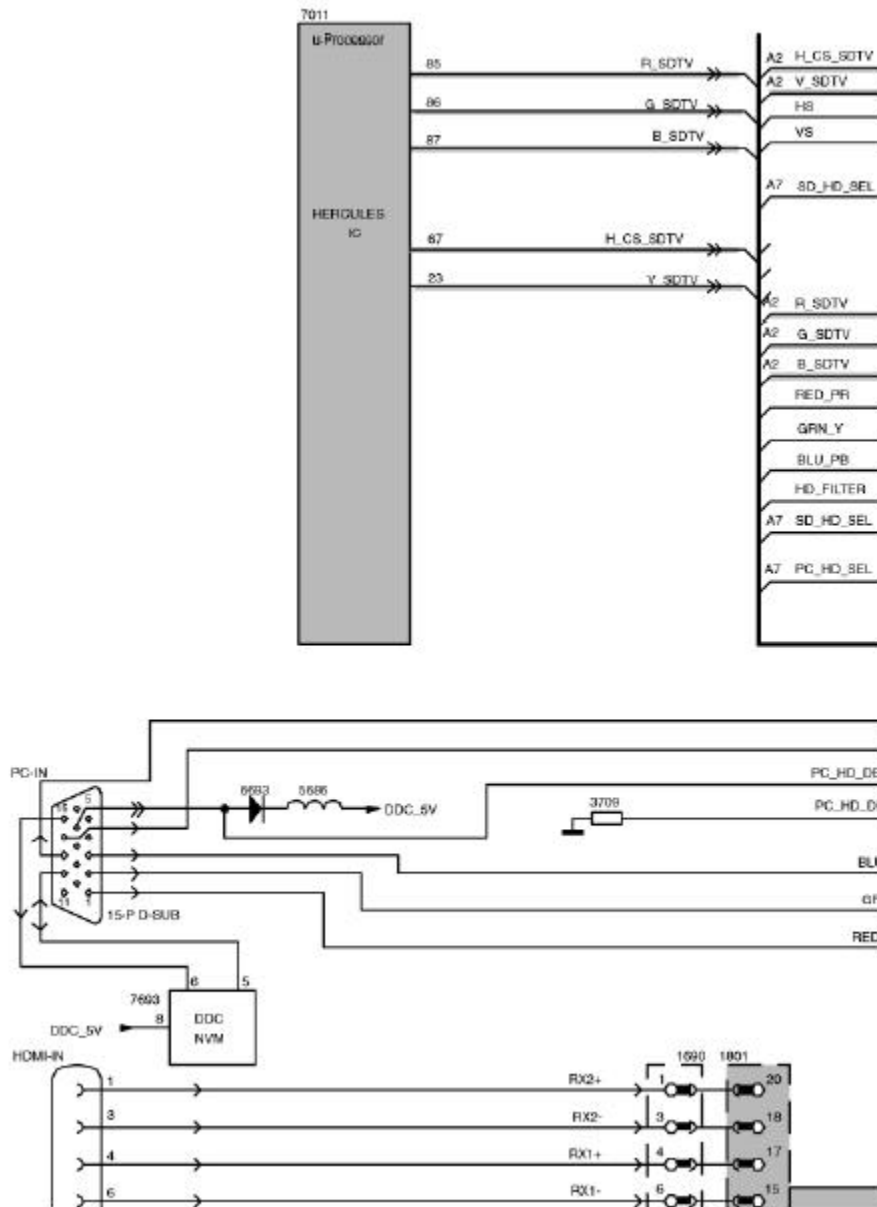


Figure: Block diagram Scaler Part

## Features

The Scaler provides several key IC functions:

- Scaling.
- Auto-configuration/ Auto-Detection.
- Various Input Ports:
  - Analog RGB.
  - DVI Compliant.
  - Video Graphics.
- Integrated LVDS Transmitter.
- On-chip Micro-controller

## Inputs

### *PC (VGA) input*

The VGA input is processed by the VGA block of the Scaler. The Scaler supports pixel frequencies up to 165MHz. YpbPr format is also supported via the VGA interface and covers a resolution of 480p/560p/720p/1080i.

### *HDMI input*

HDMI input signals are fed to the HDMI Panellink Receiver (item 7808 on diagram A12). This IC consists of a flexible audio and video interface. The video part delivers RGB/YPbPr output that directly is fed to the Scaler. The audio part delivers a 2-channel I2S digital audio signal that is fed to the audio DAC (item 7809). After DA conversion, the signals are fed to the Hercules.

**Note:** For more information about the HDMI signals refer to the A02U AA Service Manual.

## Output

The Display Output Port provides data and control signals that permit the Scaler to connect to a variety of display devices using a TTL or LVDS interface. The output interface is configurable for single or dual wide TTL/LVDS in 18, 24 or 30-bit RGB pixels format. All display data and timing signals are synchronous with the DCLK output clock. The integrated LVDS transmitter is programmable to allow the data and control signals to be mapped into any sequence depending on the specified receiver format.



## Video: Pixel Plus Part (diagram PP1 to PP4)

The Pixel Plus functionality is completely handled by an Electronic Programmable Logic Device, EPLD (item 7101 on diagram PP1, PP3). The LVDS output from the TV & Scaler Board is fed through a LVDS receiver (item 7201 on diagram PP2) and then delivered to the EPLD. The EPLD processes the signal and it is fed to the LCD panel via a LVDS transmitter (item 7403 on diagram PP3).

The EPLD takes care of all picture improvement processing, like:

- Colour improvement
  - Blue stretch
  - Green enhancement
  - Saturation control
- Sharpness enhancement
  - Non-linear horizontal peaking
  - Non-linear vertical peaking
  - Coring, clipping
  - Sharpness meter
- Contrast improvement
- Gamma Look-Up Table

All other picture improvement processing is done in the Scaler.

## Audio Processing

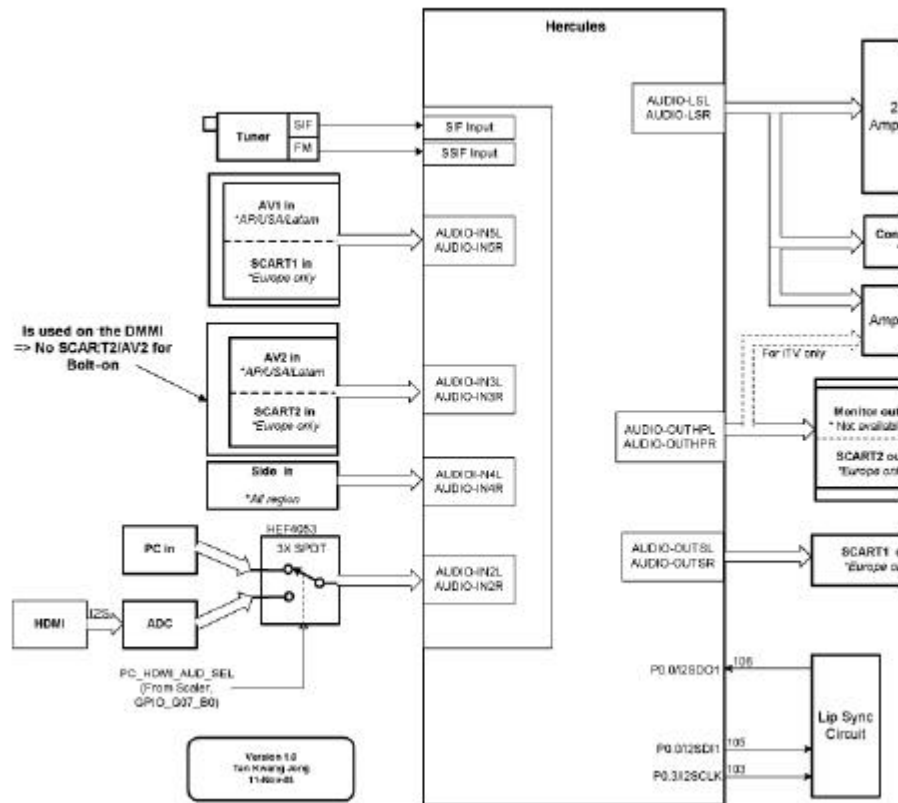


Figure: Block diagram audio processing

The audio decoding is done entirely via the Hercules. The IF output from the Tuner is fed directly to either the Video-IF or the Sound-IF input, depending on the type of concept chosen.

There are mainly two types of decoder in the Hercules, an analogue decoder that decodes only Mono, regardless of any standards, and a digital decoder (or DEMDEC) that can decode both Mono as well as Stereo, again regardless of any standards.

In this chassis, the analogue decoder is used in two cases:

- It is used for AM Sound demodulation in the Europe SECAM LL' transmission.
- It is used for all FM demodulation in AV-Stereo sets.

## Diversity

The diversity for the Audio decoding can be broken up into two main concepts:

- The Quasi Split Sound concept used in Europe and some AP sets.
- The Inter Carrier concept, used in NAFTA and LATAM.

The UOC-III family makes no difference anymore between QSS- and Intercarrier IF, nearly all types are software-switchable between the two SAW-filter constructions. Simple data settings are required for the set to determine whether it is using the Inter Carrier or the QSS concept. These settings are done via the "QSS" and "FMI" bit found in SAM mode.

Due to the diversity involved, the data for the 2 bits are being placed in the NVM location and it is required to write once during startup.

On top of that, it can be further broken down into various systems depending on the region. The systems or region chosen, will in turn affect the type of sound standard that is/are allowed to be decoded.

- For the case of Europe, the standard consists of BG/DK/I/LL' for a Multi-System set. There are also versions of Eastern Europe and Western Europe set and the standard for decoding will be BG/DK and I/DK respectively. FM Radio is a feature diversity for the Europe sets. The same version can have either FM Radio or not, independent of the system (e.g. sets with BG/DK/I/LL' can have or not have FM radio).
- For the case of NAFTA and LATAM, there is only one transmission standard, which is the M standard. The diversity then will be based on whether it has a dBx noise reduction or a Non-dBx (no dBx noise reduction).
- For the case of AP, the standard consists of BG/DK/I/M for a Multi-System set. The diversity here will then depends on the region. AP China can have a Multi-System and I/DK version. For India, it might only be BG standard.

## Functionality

The features available in the Hercules are as follows:

- Treble and Bass Control.
- Surround Sound Effect that includes:
  - Incredible Stereo.
  - Incredible Mono.
  - 3D Sound (not for AV Stereo).
  - TruSurround (not for AV Stereo).
  - Virtual Dolby Surround, VDS422 (not for AV Stereo).
  - Virtual Dolby Surround, VDS423 (not for AV Stereo).
  - Dolby Pro-Logic (not for AV Stereo).
- Bass Feature that includes:
  - Dynamic Ultra-Bass.
  - Dynamic Bass Enhancement.
  - BBE (not for AV Stereo).
- Auto-Volume Leveler.
- 5 Band Equalizer.
- Loudness Control.

All the features stated are available for the Full Stereo versions and limited features for the AV Stereo.

## Audio Amplifier

The audio amplifier part is very straightforward. It uses the integrated power amplifier TDA7297D, and delivers a maximum output of 2 x 15 W<sub>rms</sub>.

The maximum operating condition for this amplifier is 20 V unloaded. Normal operating supply is from 6.5 V to 18 V.

Muting is done via the SOUND\_ENABLE line connected to pin 13 of the amplifier-IC and coming from the Hercules.

## Audio: Lip Sync

The LC4.2E is not equipped with Lip Sync. This is not needed.

## Control

## Hercules

The System Board has two main micro-controllers on board. These are:

- On-chip x86 micro-controller (OCM) from Genesis LCD TV/Monitor Controller.
- On-chip 80C51 micro-controller from Philips Semiconductor UOCIII (Hercules) series.

Each micro-controller has its own I2C bus which hosts its own internal devices.

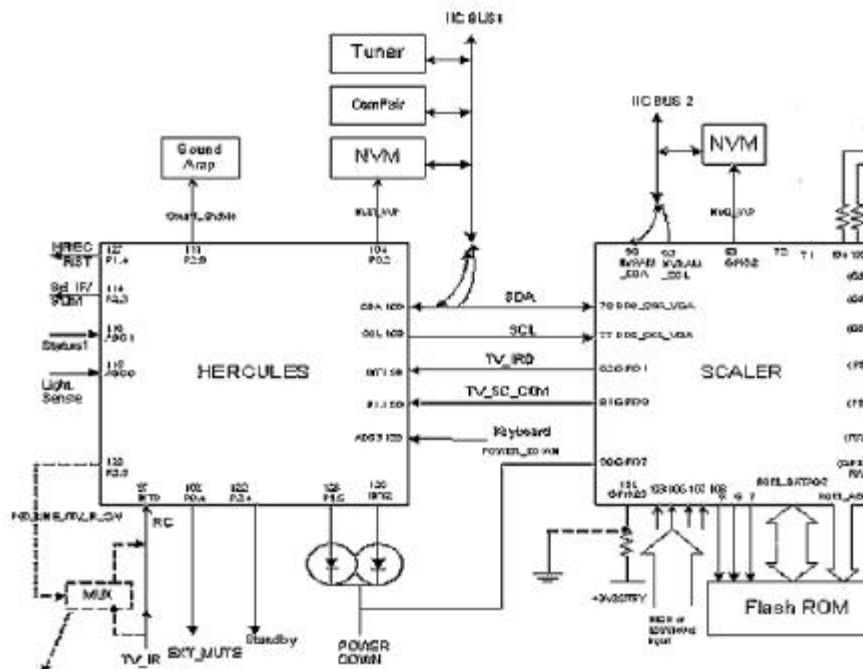
The Hercules is integrated with the Video and Audio Processor. For dynamic data storage, such as SMART PICTURE and SMART SOUND settings, an external NVM IC is being used.

Another feature includes an optional Teletext/Closed Caption decoder with the possibility of different page storage depending on the Hercules type number.

The Micro Controller ranges in ROM from 128 kB with no TXT-decoder to 128 kB with a 10 page Teletext or with Closed Caption.

## Block Diagram

The block diagram of the Micro Controller application is shown below.



**Figure: Micro Controller block diagram**

## Basic Specification

The Micro Controller operates at the following supply voltages:

- +3.3 V<sub>dc</sub> at pins 4, 88, 94, and 109.
- +1.8 V<sub>dc</sub> at pins 93, 96, and 117.
- I2C pull up supply: +3.3V<sub>dc</sub>.

## Pin Configuration and Functionality

The ports of the Micro Controller can be configured as follows:

- A normal input port.
- An input ADC port.
- An output Open Drain port.
- An output Push-Pull port.
- An output PWM port.
- Input/Output Port

The following table shows the ports used for the L04 control:

**Table: Micro Controller ports overview**

Pin	Name	Description	Configuration
97	INT0/ P0.5	IR	INT0
98	P1.0/ INT1	TV_IRQ	INT2
99	P1.1/ T0	TV_SC_COM	P1.1
102	P0.4/ I2SWS	EXT_MUTE	P0.4
103	P0.3/ I2SCLK	Lip Sync	I2SCLK
104	P0.2/ I2SDO2	NVM_WP	P0.2
105	P0.1/ I2SDO1	Lip Sync	I2SDO1
106	P0.0/ I2SDI/O	Lip Sync	I2SDI/O
107	P1.3/ T1	PC-TV_LED	P1.3
108	P1.6/ SCL	SCL	SCL
109	P1.7/ SDA	SDA	SDA
111	P2.0/ TPWM	SOUND_ENABLE	P2.0
112	P2.1/ PWM0	(for future use)	-
113	P2.2/ PWM1	(for future use)	-
114	P2.3/ PWM2	SEL_IF	P2.3
115	P3.0/ ADC0	Light Sensor – SDM	ADC0
116	P3.1/ ADC1	STATUS_1	ADC1
119	P3.2/ ADC2	STATUS_2	ADC2
120	P3.3/ ADC3	KEYBOARD	ADC3

The description of each functional pin is explained below:

- **LED.** This signal is used as an indication for the Standby, Remote and Error Indicator. Region diversity:
  - During protection mode, the LED blinks and the set is in standby mode.
  - During error conditions it blinks at a predefined rate.
  - After receiving a valid RC-5 or local keyboard command it flashes once.
  - For sets with error message indication, the LED blinks when message is active and the set is in standby mode.

- **SCL.** This is the clock wire of the two-wire single master bi-directional I2C bus.
- **SDA.** This is the data wire of the two-wire single master bi-directional I2C bus.
- **STANDBY.** The Hercules generates this signal. This can enable the power supply in normal operation and disable it during Standby. It is of logic “high” (3.3 V) under normal operation and “low” (0 V) during Standby.
- **IR.** This input pin is connected to an RC5 remote control receiver.
- **SEL-IF.** This is an output pin to switch the Video SAW filter between M system and other systems.
  - 0: NTSC M (default)
  - 1: PAL B/G, DK, I, L
- **NVM\_WP.** The global protection line is used to enable and disable write protection to the NVM. When write to the NVM is required, pin 7 of the NVM must be pulled to logic '0' first (via Write\_Protect of the micro-controller pin) before a write is performed. Otherwise pin 7 of NVM must always be at logic “1”
  - 0: Disabled
  - 1: Enabled (default)
- **SOUND\_ENABLE.** This pin is use to MUTE the audio amplifier. It is configured as push pull.
- **STATUS\_1.** This signal is used to read the status of the SCART 1 input.
- **STATUS\_2.** This signal is used to read the status of the SCART 2 input.
- **HERC\_RESET.** This pin is use to switch the +1.8V supply.
- **POWER\_DOWN.** The power supply generates this signal. Logic “high” (3.3 V) under normal operation of the TV and goes “low” (0 V) when the Mains input voltage supply goes below 70 V<sub>ac</sub>.

122 P2.4/ PWM3 STANDBY P2.4

123 P2.5/ PWM4 (for future use) -

126 P1.2/ INT2 (for future use) -

127 P1.4/ RX HERC\_RESET -

128 P1.5/ TX POWER\_DOWN P1.5

- Keyboard. Following are the Keyboard functions and the step values (8 bit) for it.

**Table: Local keyboard values**

Function	Voltage (V <sub>dc</sub> )	Step values (8 bit)
NAFTA Standby	0	0 - 6
Ch +	0.43	7 - 33
Exit Factory (Ch- and Vol-)	0.69	34 - 53
Ch -	0.93	54 - 73
Menu (Vol - and Vol +)	1.19	74 - 96
Vol -	1.49	97 - 121
DVD Eject	1.8	122 - 147
Vol +	2.12	148 - 169

- **TV\_IRQ.** This signal is the interrupt from the Scaler IC.
- **TV\_SC\_COM.** This signal is used for the communication with the Scaler IC.
- **EXT\_MUTE.** This signal is used to reduce the Switch-off plop.

# LCD Display

## Specifications

### Feature Data

- Panel model: LC171W03-A4K3 (17")  
LC230W01-A2K8 (23")  
LC260W01-A5K6 (26")
- Resolution (HxV): 1080x768 pixels (17")  
1280x768 pixels (23")  
1280x768 pixels (26")
- Luminance: 450 nit (17")  
450 nit (23")  
450 nit (26")
- Supplier: LG.Philips LCD

## Abbreviation List

Abbreviation	Description
0/6/12	SCART switch control signal on A/V board. 0 = loop through (AUX to TV), 6 = play 16:9 format, 12 = play 4:3 format
1080i	1080 visible lines, interlaced
1080p	1080 visible lines, progressive scan
2CS	2 Carrier Stereo
480i	480 visible lines, interlaced
480p	480 visible lines, progressive scan
ACI	Automatic Channel Installation: algorithm that installs TV channels directly from a cable network by means of a predefined TXT page
ADC	Analogue to Digital Converter
AFC	Automatic Frequency Control: control signal used to tune to the correct frequency
AGC	Automatic Gain Control: algorithm that controls the video input of the feature box
AM	Amplitude Modulation
AP	Asia Pacific
AR	Aspect Ratio: 4 by 3 or 16 by 9
ASD	Automatic Standard Detection
AV	Audio Video
B-SC1-IN	Blue SCART1 in
B-SC2-IN	Blue SCART2 in
B-TXT	Blue teletext

B/G	Monochrome TV system. Sound carrier distance is 5.5 MHz BOCMA Bimos one Chip Mid-end Architecture: video and chroma decoder
C-FRONT	Chrominance front input
CBA	Circuit Board Assembly (or PWB)
CL	Constant Level: audio output to connect with an external amplifier
CLUT	Colour Look Up Table
Compare	Computer aided rePair
CSM	Customer Service Mode
CVBS	Composite Video Blanking and Synchronisation
CVBS-EXT	CVBS signal from external source (VCR, VCD, etc.)
CVBS-INT	CVBS signal from Tuner
CVBS-MON	CVBS monitor signal
CVBS-TER-OUT	CVBS terrestrial out
DAC	Digital to Analogue Converter
DBE	Dynamic Bass Enhancement: extra low frequency amplification
DFU	Directions For Use: owner's manual
DNR	Dynamic Noise Reduction
DRAM	Dynamic RAM
DSP	Digital Signal Processing
DST	Dealer Service Tool: special (European) remote control designed for service technicians
DTS	Digital Theatre Sound
DVD	Digital Video Disc
EEPROM	Electrically Erasable and Programmable Read Only Memory
EPG	Electronic Program Guide: system used by broadcasters to transmit TV guide information (= NexTVView)
EPLD	Electronic Programmable Device
EU	EUrope
EXT	EXTERNAL (source), entering the set by SCART or by cinches (jacks)
FBL	Fast Blanking: DC signal accompanying RGB signals
FBL-SC1-IN	Fast blanking signal for SCART1 in
FBL-SC2-IN	Fast blanking signal for SCART2 in
FBL-TXT	Fast Blanking Teletext
FLASH	FLASH memory
FM	Field Memory / Frequency Modulation
FMR	FM Radio
FRC	Frame Rate Converter
FRONT-C	Front input chrominance (SVHS)
FRONT-DETECT	Front input detection
FRONT-Y_CVBS	Front input luminance or CVBS (SVHS)
G-SC1-IN	Green SCART1 in
G-SC2-IN	Green SCART2 in



G-TXT	Green teletext
H	H_sync to the module
HA	Horizontal Acquisition: horizontal sync pulse coming out of the BOCMA
HD	High Definition
HDMI	High Definition Multimedia Interface
HP	HeadPhone
I	Monochrome TV system. Sound carrier distance is 6.0 MHz
I2C	Integrated IC bus
I2S	Integrated IC Sound bus
IC	Integrated Circuit
IF	Intermediate Frequency
Interlaced Scan	mode where two fields are used to form one frame. Each field contains half the number of the total amount of lines. The fields are written in 'pairs', causing line flicker.
IR	Infra Red
IRQ	Interrupt ReQuest
Last Status	The settings last chosen by the customer and read and stored in RAM or in the NVM. They are called at start-up of the set to configure it according the customers wishes
LATAM	LATin AMerica
LC04	Philips chassis name for LCD TV 2004 project
LCD	Liquid Crystal Display
LED	Light Emitting Diode
LINE-DRIVE	Line drive signal
L/L'	Monochrome TV system. Sound carrier distance is 6.5 MHz. L' is Band I, L is all bands except for Band I
LS	LoudSpeaker
LVDS	Low Voltage Differential Signalling, data transmission system for high speed and low EMI communication.
M/N	Monochrome TV system. Sound carrier distance is 4.5 MHz
MOSFET	Metal Oxide Semiconductor Field Effect Transistor
MPEG	Motion Pictures Experts Group
MSP	Multi-standard Sound Processor: ITT sound decoder
MUTE	MUTE Line
NC	Not Connected
NICAM	Near Instantaneous Compounded Audio Multiplexing. This is a digital sound system, used mainly in Europe.
NTSC	National Television Standard Committee. Colour system used mainly in North America and Japan. Colour carrier NTSC M/N = 3.579545 MHz, NTSC 4.43 = 4.433619 MHz (this is a VCR norm, it is not transmitted off-air)
NVM	Non Volatile Memory: IC containing TV related data (for example, options)
O/C	Open Circuit

ON/OFF LED	On/Off control signal for the LED
OSD	On Screen Display
P50	Project 50 communication: protocol between TV and peripherals
PAL	Phase Alternating Line. Colour system used mainly in Western Europe (colour carrier = 4.433619 MHz) and South America (colour carrier PAL M = 3.575612 MHz and PAL N = 3.582056 MHz)
PC	Personal Computer
PCB	Printed Circuit Board (or PWB)
PIG	Picture In Graphic
PIP	Picture In Picture
PLL	Phase Locked Loop. Used, for example, in FST tuning systems. The customer can directly provide the desired frequency
Progressive Scan	Scan mode where all scan lines are displayed in one frame at the same time, creating a double vertical resolution.
PWB	Printed Wiring Board (or PCB)
RAM	Random Access Memory
RC	Remote Control transmitter
RC5	Remote Control system 5, the signal from the remote control receiver
RGB	Red, Green, and Blue. The primary colour signals for TV. By mixing levels of R, G, and B, all colours (Y/C) are reproduced.
RGBHV	Red, Green, Blue, Horizontal sync, and Vertical sync
ROM	Read Only Memory
SAM	Service Alignment Mode
SIF	Sound Intermediate Frequency
SC	SandCastle: two-level pulse derived from sync signals
SC1-OUT	SCART output of the MSP audio IC
SC2-B-IN	SCART2 Blue in
SC2-C-IN	SCART2 chrominance in
SC2-OUT	SCART output of the MSP audio IC
S/C	Short Circuit
SCART	Syndicat des Constructeurs d'Appareils Radiorecepteurs et Televisieurs
SCL	CLock Signal on I2C bus
SD	Standard Definition
SDA	DAta Signal on I2C bus
SDRAM	Synchronous DRAM
SECAM	SEquence Couleur Avec Memoire. Colour system used mainly in France and Eastern Europe. Colour carriers = 4.406250 MHz and 4.250000 MHz
SIF	Sound Intermediate Frequency

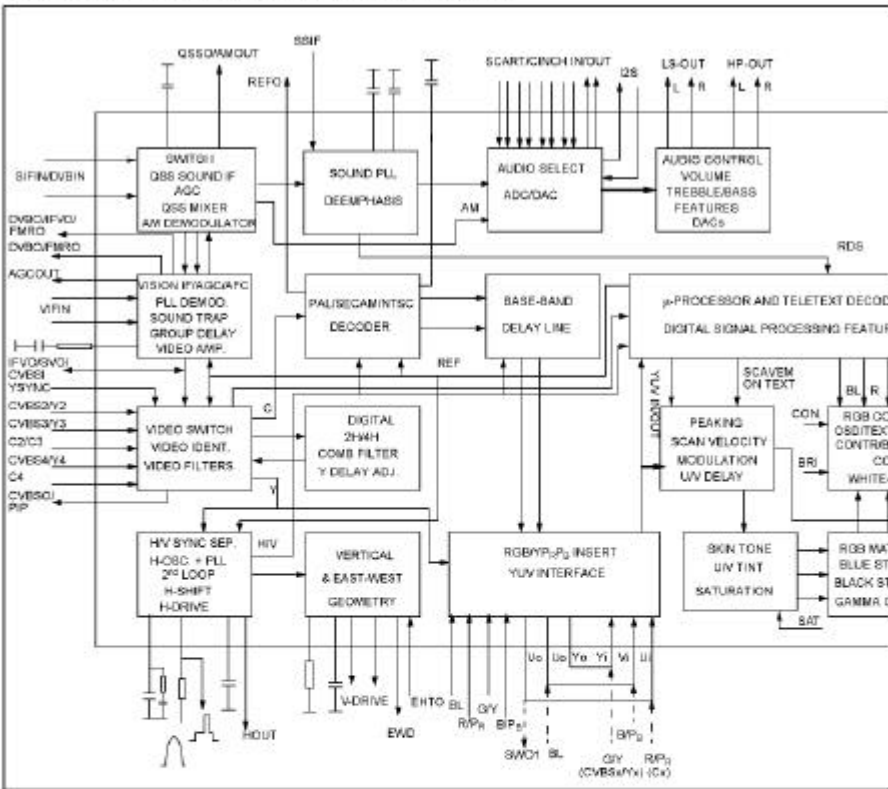
SMPS	Switch Mode Power Supply
SND	SouND
SNDL-SC1-IN	Sound left SCART1 in
SNDL-SC1-OUT	Sound left SCART1 out
SNDL-SC2-IN	Sound left SCART2 in
SNDL-SC2-OUT	Sound left SCART2 out
SNDR-SC1-IN	Sound right SCART1 in
SNDR-SC1-OUT	Sound right SCART1 out
SNDR-SC2-IN	Sound right SCART2 out
SNDR-SC2-OUT	Sound right SCART2 out
SNDS-VL-OUT	Surround sound left variable level out
SNDS-VR-OUT	Surround sound right variable level out
SOPS	Self Oscillating Power Supply
S/PDIF	Sony Philips Digital InterFace
SRAM	Static RAM
STBY	STandBY
SVHS	Super Video Home System
SW	SubWoofer / SoftWare
THD	Total Harmonic Distortion
TXT	TeleteXT
UP	Microprocessor
VA	Vertical Acquisition
VL	Variable Level out: processed audio output toward external amplifier
VCR	Video Cassette Recorder
VGA	Video Graphics Array
WD	Watch Dog
WYSIWYR	What You See Is What You Record: record selection that follows main picture and sound
XTAL	Quartz crystal
YpbPr	Component video (Y= Luminance, Pb/Pr= Colour difference signals)
Y/C	Luminance (Y) and Chrominance (C) signal
Y-OUT	Luminance-signal
YUV	Component video

# IC Data Sheets

This section shows the internal block diagrams and pin layouts of ICs that are drawn as 'black boxes' in the electrical diagrams (with the exception of 'memory' and 'logic' ICs).

## Diagram A2, Type TDA12029H (IC7011)

Block diagram of the "AV-stereo" TV processor with audio DSP



Pin configuration "stereo" and "AV-stereo" versions with Audio DSP

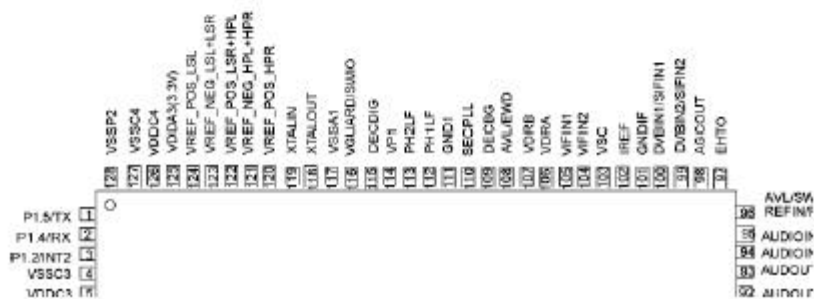
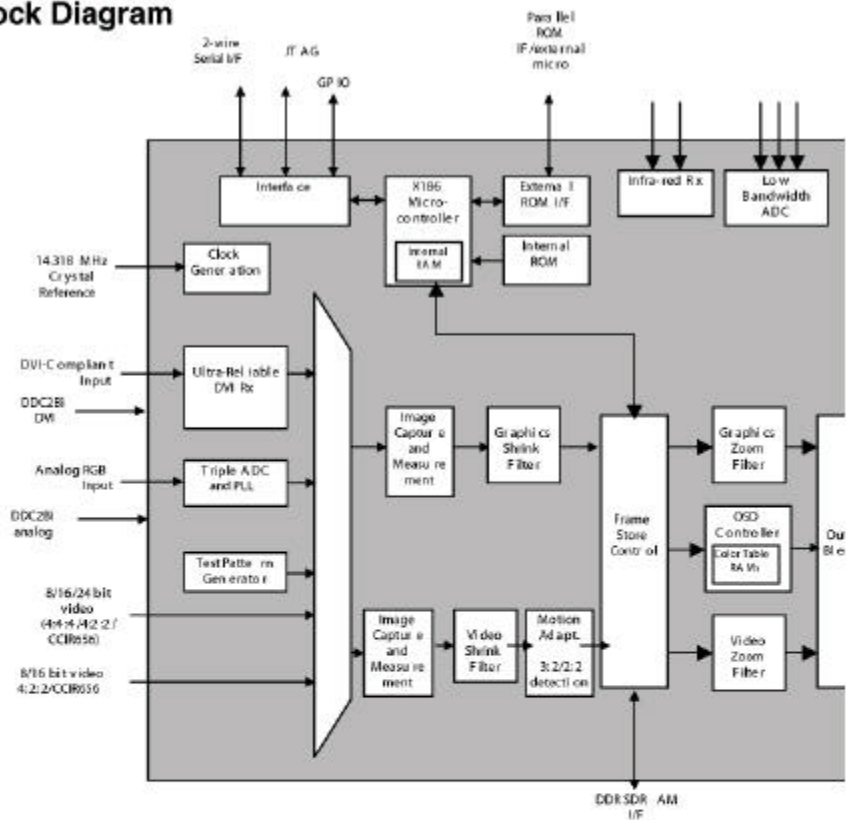


Figure: Internal Block Diagram and Pin Configuration

Diagram A7, Type GM1501 (IC7401)

Block Diagram



Pin Configuration

A	NC	ADC_3.3	ADC_1.8	ADC_1.8	ADC_D0H/L	RXC+	DVI_GND	RXD+	RX1+	RX2+
B	BLUE-	BLUE+	ADC_3.3	ADC_D0H/L	DVI_GND	RXC-	DVI_GND	RXD-	RX1-	RX2-
C	GREEN-	GREEN+	SOG	ADC_AGND	NC	DVI_3.3	DVI_GND	DVI_3.3	DVI_3.3	DVI_3
D	RED-	RED+	ADC_3.3	ADC_AGND	NC	DVI_1.8	DVI_GND	DVI_1.8	DVI_1.8	DVI_1
E	ADC_AGND	ADC_AGND	ADC_3.3	ADC_AGND						
F	NC	VDD033_PLL	VSS033_RPLL	VDDA33_RPLL						
G	VDDA33_FPLL	VSS033_PLL	TCLK	XTAL						
H	VDD033_SDDS	VSSA33_SDDS	VDDA33_SDDS	VSSA33_FPLL						
I	VDD033	VSSA33	VDDA33	VSS033						

Figure: Internal Block Diagram and Pin Configuration

Diagram A12, Type S9993CT (IC7808)

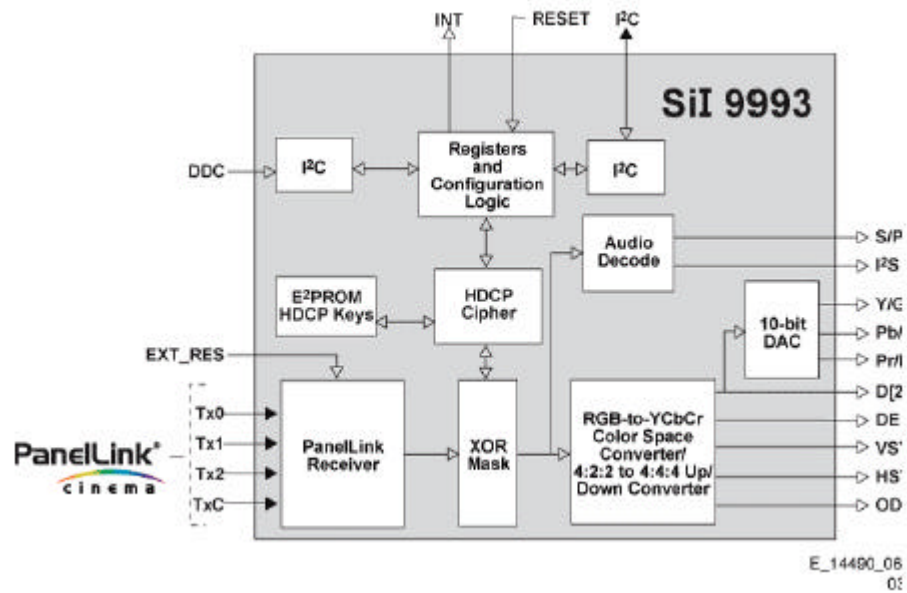


Figure: Internal Block Diagram

# 17PF9946/37 - Manual no. 7670

## Set Level Parts

Set Level Parts			
REMOTE	Remote Transmitter, RCAE049_FRP. . .	3128	147 15921
S 1001	AC Line Cord . . . . .	2422	070 98208
1002	FM Antenna Wire. . . . .	3139	131 02781
1116	Side I/O panel . . . . .	3139	188 54481
1121	3D Comb-fiter panel 23'. . . . .	3139	188 53061
1121	3D Comb-fiter panel 26'. . . . .	3139	188 68791
1126	Rear I/O panel 17'. . . . .	3139	188 52981
1126	Rear I/O panel 26'. . . . .	3139	188 80961
1126	Rear I/O panel 23'. . . . .	3139	188 80981
1129	ASSY LC04 LCPI (EPLD). . . . .	3139	188 81401
1150	TV & Scaler board 17'. . . . .	3139	188 56751
1150	TV & Scaler board 23'. . . . .	3139	188 80511
1150	TV & Scaler board 26'. . . . .	3139	188 80541
S 1188	Power supply 17'. . . . .	3122	137 23041
S 1188	Power supply 23'. . . . .	3122	137 23071
S 1188	Power supply 26'. . . . .	3122	137 23081
8190	Cable VGA 1.5m CINCH RdGnBu. . . . .	2422	076 00584
8192	Cable coax 1.5m. . . . .	2422	076 00604
8194	Cable 1.5M . . . . .	2422	076 00585
8301	Cable foil 20p/75/20p. . . . .	3139	131 03972
8301	Cable foil 20p/150/20p. . . . .	3139	131 04011
8301	Cable foil 20p/150 1.25. . . . .	3139	131 04691
8301	Cable foil 20p/130 1.25. . . . .	3139	131 04701
8403	Cable 20P. . . . .	3139	131 03581
8403	Cable 20p/280/20p. . . . .	3139	131 04271

## TV & Scaler Board Parts [A]

TV & Scaler Board Parts [A]			
1001	Xtal 24.576MHz 30pF. . . . .	2422	543 01255
1004	Connector 10P f. . . . .	2422	025 15773
1005	45P Female . . . . .	2422	025 18249
1302	UR1336/A F S H-3 . . . . .	3139	147 19711
1302	UR1336/A FI S H-3. . . . .	3139	147 22321
1303	Connector 3p m . . . . .	2422	025 16835
1304	Connector 3p m . . . . .	2422	025 16835
1328	SAW 45.75MHz M1967L. . . . .	2422	549 44377
1401	Xtal 14.32MHz 20pF . . . . .	2422	543 01133
1403	Connector 20p m v 1.25 . . . . .	2422	025 18314
1409	Connector 9p m h . . . . .	2422	025 16846
1601	45P Female . . . . .	2422	025 18249
1704	Connector 4p m . . . . .	2422	025 16543
1801	Connector 20p f h 0.50 . . . . .	2422	025 18011
1910	Connector 12p m. . . . .	2422	025 16705
2000	1uF 10V 0603 . . . . .	3198	017 41050
2001	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2002	100uF 20% 6.3V . . . . .	2020	021 91679
2003	100nF 10% 10V 0402 . . . . .	2020	552 96437
2004	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2005	100nF 10% 16V 0402 . . . . .	3198	035 71040
2006	8.2pF 50V. . . . .	3198	034 08280
2007	8.2pF 50V. . . . .	3198	034 08280
2008	470nF 10V 0603 . . . . .	3198	017 44740
2009	1uF 10V 0603 . . . . .	3198	017 41050
2010	6.8nF 10% 16V 0402 . . . . .	3198	035 26820
2011	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2012	100uF 20% 16V. . . . .	2020	021 91557
2013	100nF 10% 16V 0402 . . . . .	3198	035 71040
2014	100nF 10% 16V 0402 . . . . .	3198	035 71040
2015	100nF 10% 16V 0402 . . . . .	3198	035 71040
2016	100nF 10% 16V 0402 . . . . .	3198	035 71040
2017	100nF 10% 16V 0402 . . . . .	3198	035 71040
2018	100nF 10% 16V 0402 . . . . .	3198	035 71040
2019	47uF 20% 16V . . . . .	2020	021 91617
2020	100pF 5% 50V 0402. . . . .	2238	869 15101
2021	10nF 10% 16V 0402. . . . .	2020	552 96628
2022	220pF 5% 50V 0402. . . . .	3198	035 02210
2023	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2024	100uF 20% 16V. . . . .	2020	021 91557
2025	100nF 10% 16V 0402 . . . . .	3198	035 71040
2026	100nF 10% 16V 0402 . . . . .	3198	035 71040
2027	100nF 10% 16V 0402 . . . . .	3198	035 71040
2028	10nF 10% 16V 0402. . . . .	2020	552 96628
2029	100nF 10% 16V 0402 . . . . .	3198	035 71040
2030	100nF 10% 16V 0402 . . . . .	3198	035 71040
2031	100nF 10% 16V 0402 . . . . .	3198	035 71040
2032	100nF 10% 16V 0402 . . . . .	3198	035 71040
2033	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2034	3.3nF 2% 50V 0805. . . . .	2020	552 00002
2035	100uF 20% 16V. . . . .	4822	124 12095
2037	10uF 10% 6.3V 0805 . . . . .	2020	552 96637
2040	10uF 16V . . . . .	2020	021 91616
2041	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2042	3.3nF 2% 50V 0805. . . . .	2020	552 00002
2043	100nF 10% 16V 0402 . . . . .	3198	035 71040
2044	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2045	10nF 10% 16V 0402. . . . .	2020	552 96628
2046	1uF 10V 0603 . . . . .	3198	017 41050
2047	330uF 6.3V . . . . .	2020	012 93761
2048	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2052	1nF 10% 50V 0402 . . . . .	2020	552 96618

2053	1nF 10% 50V 0402 . . . . .	2020	552 96618
2054	1nF 10% 50V 0402 . . . . .	2020	552 96618
2060	100nF 10% 16V 0402 . . . . .	3198	035 71040
2061	10uF 16V . . . . .	2020	021 91616
2062	3.3nF 2% 50V 0805. . . . .	2020	552 00002
2063	150nF 10V 0603 . . . . .	3198	017 31540
2068	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2071	100uF 20% 16V. . . . .	2020	021 91557
2072	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2073	1nF 10% 50V 0402 . . . . .	2020	552 96618
2074	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2076	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2077	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2078	100pF 5% 50V 0402. . . . .	2238	869 15101
2079	22nF 10% 16V 0402. . . . .	2020	552 96632
2082	1nF 10% 50V 0402 . . . . .	2020	552 96618
2083	1nF 10% 50V 0402 . . . . .	2020	552 96618
2084	1nF 10% 50V 0402 . . . . .	2020	552 96618
2085	1nF 10% 50V 0402 . . . . .	2020	552 96618
2086	1nF 10% 50V 0402 . . . . .	2020	552 96618
2087	1nF 10% 50V 0402 . . . . .	2020	552 96618
2089	1nF 10% 50V 0402 . . . . .	2020	552 96618
2099	1nF 10% 50V 0402 . . . . .	2020	552 96618
2302	22pF 5% 50V. . . . .	4822	122 33761
2303	22pF 5% 50V. . . . .	4822	122 33761
2307	47nF 50V 0603. . . . .	3198	024 44730
2308	2.2uF 20% 50V. . . . .	3198	030 82280
2309	470uF 20% 16V. . . . .	2020	021 91871
2311	22uF 20% 35V . . . . .	3198	030 72290
2313	1nF 25V 0603 . . . . .	3198	016 31020
2314	100nF 20% 50V 0603 . . . . .	2238	586 59812
2317	1nF 25V 0603 . . . . .	3198	016 31020
2318	1nF 25V 0603 . . . . .	3198	016 31020
2321	10nF 10% 50V 0603. . . . .	5322	126 11583
2324	10nF 10% 50V 0603. . . . .	5322	126 11583
2355	2.2uF 50V. . . . .	2020	021 91601
2356	2.2uF 50V. . . . .	2020	021 91601
2357	100nF 10% 16V 0402 . . . . .	3198	035 71040
2358	3.3nF 5% 50V 0402. . . . .	3198	035 03320
2359	10nF 10% 16V 0402. . . . .	2020	552 96628
2370	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2371	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2372	1nF 10% 50V 0402 . . . . .	2020	552 96618
2373	1nF 10% 50V 0402 . . . . .	2020	552 96618
2374	100nF 10% 16V 0402 . . . . .	3198	035 71040
2375	10uF 16V . . . . .	2020	021 91616
2376	1uF 10V 0603 . . . . .	3198	017 41050
2377	1uF 10V 0603 . . . . .	3198	017 41050
2378	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2379	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2380	47uF 20% 16V . . . . .	2020	021 91617
2381	100nF 10% 16V 0402 . . . . .	3198	035 71040
2382	470uF 20% 16V. . . . .	2020	021 91871
2386	1uF 10V 0603 . . . . .	3198	017 41050
2387	33pF 5% 50V 0402 . . . . .	4822	126 14324
2388	33pF 5% 50V 0402 . . . . .	4822	126 14324
2392	1uF 10V 0603 . . . . .	3198	017 41050
2394	100nF 10% 16V 0402 . . . . .	3198	035 71040
2395	100nF 10% 16V 0402 . . . . .	3198	035 71040
2396	10uF 16V . . . . .	4822	124 23002
2397	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2398	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2401	47uF 16V . . . . .	4822	124 80151
2402	47uF 16V . . . . .	4822	124 80151
2403	100nF 10% 16V 0402 . . . . .	3198	035 71040
2404	100nF 10% 16V 0402 . . . . .	3198	035 71040
2405	100nF 10% 16V 0402 . . . . .	3198	035 71040
2406	100nF 10% 16V 0402 . . . . .	3198	035 71040
2407	100nF 10% 16V 0402 . . . . .	3198	035 71040
2408	100nF 10% 16V 0402 . . . . .	3198	035 71040
2409	100nF 10% 16V 0402 . . . . .	3198	035 71040
2410	100nF 10% 16V 0402 . . . . .	3198	035 71040
2411	100nF 10% 16V 0402 . . . . .	3198	035 71040
2412	100nF 10% 16V 0402 . . . . .	3198	035 71040
2413	100nF 10% 16V 0402 . . . . .	3198	035 71040
2414	100nF 10% 16V 0402 . . . . .	3198	035 71040
2415	100nF 10% 16V 0402 . . . . .	3198	035 71040
2416	100nF 10% 16V 0402 . . . . .	3198	035 71040
2417	47uF 16V . . . . .	4822	124 80151
2418	47uF 16V . . . . .	4822	124 80151
2419	100nF 10% 16V 0402 . . . . .	3198	035 71040
2420	100nF 10% 16V 0402 . . . . .	3198	035 71040
2421	100nF 10% 16V 0402 . . . . .	3198	035 71040
2422	100nF 10% 16V 0402 . . . . .	3198	035 71040
2423	100nF 10% 16V 0402 . . . . .	3198	035 71040
2424	100nF 10% 16V 0402 . . . . .	3198	035 71040
2425	100nF 10% 16V 0402 . . . . .	3198	035 71040
2426	100nF 10% 16V 0402 . . . . .	3198	035 71040
2427	100nF 10% 16V 0402 . . . . .	3198	035 71040
2428	100nF 10% 16V 0402 . . . . .	3198	035 71040
2429	100nF 10% 16V 0402 . . . . .	3198	035 71040
2430	100nF 10% 16V 0402 . . . . .	3198	035 71040

S = Safety Part Be sure to use exact replacement part.

# 17PF9946/37 (continued)

2431	100nF 10% 16V 0402	3198 035 71040	2610	100nF 10% 16V 0402	3198 035 71040
2432	100nF 10% 16V 0402	3198 035 71040	2611	47µF 6.3V	4822 124 11131
2433	100nF 10% 16V 0402	3198 035 71040	2612	10nF 10% 16V 0402	2020 552 96628
2434	47µF 16V	4822 124 80151	2613	10nF 10% 16V 0402	2020 552 96628
2435	47µF 16V	4822 124 80151	2614	10nF 10% 16V 0402	2020 552 96628
2436	100nF 10% 16V 0402	3198 035 71040	2615	10nF 10% 16V 0402	2020 552 96628
2437	100nF 10% 16V 0402	3198 035 71040	2616	10nF 10% 16V 0402	2020 552 96628
2438	100nF 10% 16V 0402	3198 035 71040	2617	10nF 10% 16V 0402	2020 552 96628
2439	100nF 10% 16V 0402	3198 035 71040	2618	10nF 10% 16V 0402	2020 552 96628
2440	100nF 10% 16V 0402	3198 035 71040	2619	33pF 5% 50V 0402	4822 126 14324
2441	100nF 10% 16V 0402	3198 035 71040	2620	100nF 20% 50V 0603	2238 586 59812
2442	100nF 10% 16V 0402	3198 035 71040	2621	1µF 20% 6.3V 0402	2020 552 96834
2443	100nF 10% 16V 0402	3198 035 71040	2622	1µF 20% 6.3V 0402	2020 552 96834
2444	100nF 10% 16V 0402	3198 035 71040	2623	1µF 20% 6.3V 0402	2020 552 96834
2445	100nF 10% 16V 0402	3198 035 71040	2624	470nF 10V 0603	3198 017 44740
2446	100nF 10% 16V 0402	3198 035 71040	2625	470nF 10V 0603	3198 017 44740
2447	100nF 10% 16V 0402	3198 035 71040	2626	470nF 10V 0603	3198 017 44740
2448	100nF 10% 16V 0402	3198 035 71040	2630	1µF 20% 6.3V 0402	2020 552 96834
2449	100nF 10% 16V 0402	3198 035 71040	2631	1µF 20% 6.3V 0402	2020 552 96834
2450	100nF 10% 16V 0402	3198 035 71040	2632	1µF 20% 6.3V 0402	2020 552 96834
2451	47µF 16V	4822 124 80151	2633	1µF 20% 6.3V 0402	2020 552 96834
2452	100nF 10% 16V 0402	3198 035 71040	2634	1µF 20% 6.3V 0402	2020 552 96834
2453	100nF 10% 16V 0402	3198 035 71040	2635	1µF 20% 6.3V 0402	2020 552 96834
2454	100nF 10% 16V 0402	3198 035 71040	2636	100nF 10% 16V 0402	3198 035 71040
2455	100nF 10% 16V 0402	3198 035 71040	2638	330pF 5% 50V 0402	3198 035 03310
2456	100nF 10% 16V 0402	3198 035 71040	2639	330pF 5% 50V 0402	3198 035 03310
2457	10µF 10% 16V 1210	2020 552 96675	2702	1µF 20% 6.3V 0402	2020 552 96834
2461	100nF 10% 16V 0402	3198 035 71040	2703	10µF 16V	2020 021 91616
2462	100nF 10% 16V 0402	3198 035 71040	2707	470µF 20% 16V	2020 021 91871
2463	100nF 10% 16V 0402	3198 035 71040	2708	1µF 20% 6.3V 0402	2020 552 96834
2464	100nF 10% 16V 0402	3198 035 71040	2710	470pF 50V 0402	3198 035 04710
2465	22µF 20% 35V	5322 124 41945	2711	470pF 50V 0402	3198 035 04710
2466	100nF 10% 16V 0402	3198 035 71040	2712	1µF 20% 6.3V 0402	2020 552 96834
2467	100nF 10% 16V 0402	3198 035 71040	2713	100nF 20% 50V 0603	2238 586 59812
2468	100nF 10% 16V 0402	3198 035 71040	2714	470µF 20% 16V	2020 021 91871
2469	100nF 10% 16V 0402	3198 035 71040	2715	470µF 20% 16V	2020 021 91871
2470	22µF 20% 35V	5322 124 41945	2718	1µF 20% 6.3V 0402	2020 552 96834
2471	100nF 10% 16V 0402	3198 035 71040	2719	100nF 20% 50V 0603	2238 586 59812
2472	100nF 10% 16V 0402	3198 035 71040	2735	1nF 10% 50V 0402	2020 552 96618
2473	100nF 10% 16V 0402	3198 035 71040	2736	1nF 10% 50V 0402	2020 552 96618
2474	100nF 10% 16V 0402	3198 035 71040	2737	1nF 10% 50V 0402	2020 552 96618
2475	100nF 10% 16V 0402	3198 035 71040	2738	1nF 10% 50V 0402	2020 552 96618
2476	100nF 10% 16V 0402	3198 035 71040	2739	470pF 50V 0402	3198 035 04710
2477	100nF 10% 16V 0402	3198 035 71040	2740	470pF 50V 0402	3198 035 04710
2478	22µF 20% 35V	5322 124 41945	2741	470pF 50V 0402	3198 035 04710
2479	100nF 10% 16V 0402	3198 035 71040	2742	470pF 50V 0402	3198 035 04710
2480	100nF 10% 16V 0402	3198 035 71040	2743	1µF 20% 6.3V 0402	2020 552 96834
2481	100nF 10% 16V 0402	3198 035 71040	2744	1µF 20% 6.3V 0402	2020 552 96834
2482	22µF 20% 35V	5322 124 41945	2745	100µF 20% 16V	2020 021 91557
2483	100nF 10% 16V 0402	3198 035 71040	2746	1µF 10V 0603	3198 017 41050
2484	100nF 10% 16V 0402	3198 035 71040	2803	22µF 6.3V	4822 124 23237
2485	100nF 10% 16V 0402	3198 035 71040	2804	1µF 10V 0603	3198 017 41050
2486	100nF 10% 16V 0402	3198 035 71040	2805	1µF 10V 0603	3198 017 41050
2487	22pF 5% 50V 0402	4822 126 14519	2806	22µF 6.3V	4822 124 23237
2488	22pF 5% 50V 0402	4822 126 14519	2807	100nF 10% 16V 0402	3198 035 71040
2490	100nF 20% 50V 0603	2238 586 59812	2808	100nF 10% 16V 0402	3198 035 71040
2491	100nF 20% 50V 0603	2238 586 59812	2809	10µF 16V	4822 124 23002
2492	100nF 20% 50V 0603	2238 586 59812	2810	22µF 6.3V	4822 124 23237
2495	47µF 16V	4822 124 80151	2811	1nF 10% 50V 0402	2020 552 96618
2496	100nF 10% 16V 0402	3198 035 71040	2812	100nF 10% 16V 0402	3198 035 71040
2501	47µF 16V	4822 124 80151	2813	10µF 10% 16V 1210	2020 552 96675
2502	47µF 6.3V	4822 124 11131	2814	100nF 10% 16V 0402	3198 035 71040
2503	100nF 10% 16V 0402	3198 035 71040	2815	1nF 10% 50V 0402	2020 552 96618
2504	100nF 10% 16V 0402	3198 035 71040	2816	100nF 10% 16V 0402	3198 035 71040
2505	100nF 10% 16V 0402	3198 035 71040	2817	1nF 10% 50V 0402	2020 552 96618
2506	100nF 10% 16V 0402	3198 035 71040	2818	10µF 10% 16V 1210	2020 552 96675
2507	100nF 10% 16V 0402	3198 035 71040	2819	100nF 10% 16V 0402	3198 035 71040
2508	100nF 10% 16V 0402	3198 035 71040	2820	1nF 10% 50V 0402	2020 552 96618
2509	100nF 10% 16V 0402	3198 035 71040	2821	1nF 10% 50V 0402	2020 552 96618
2510	100nF 10% 16V 0402	3198 035 71040	2822	1nF 10% 50V 0402	2020 552 96618
2511	100nF 10% 16V 0402	3198 035 71040	2823	1nF 10% 50V 0402	2020 552 96618
2512	100nF 10% 16V 0402	3198 035 71040	2824	100nF 10% 16V 0402	3198 035 71040
2513	100nF 10% 16V 0402	3198 035 71040	2825	1nF 10% 50V 0402	2020 552 96618
2514	100nF 10% 16V 0402	3198 035 71040	2826	1nF 10% 50V 0402	2020 552 96618
2515	100nF 10% 16V 0402	3198 035 71040	2827	1nF 10% 50V 0402	2020 552 96618
2516	100nF 10% 16V 0402	3198 035 71040	2828	1nF 10% 50V 0402	2020 552 96618
2517	100nF 10% 16V 0402	3198 035 71040	2829	1nF 10% 50V 0402	2020 552 96618
2530	10µF 16V	4822 124 23002	2830	1nF 10% 50V 0402	2020 552 96618
2531	100nF 10% 16V 0402	3198 035 71040	2832	1nF 10% 50V 0402	2020 552 96618
2532	100nF 10% 16V 0402	3198 035 71040	2833	47µF 6.3V	4822 124 11131
2533	100nF 10% 16V 0402	3198 035 71040	2834	47µF 6.3V	4822 124 11131
2560	100nF 10% 16V 0402	3198 035 71040	2835	100nF 10% 16V 0402	3198 035 71040
2561	100µF 20% 16V	4822 124 12095	2836	100nF 10% 16V 0402	3198 035 71040
2562	100nF 10% 16V 0402	3198 035 71040	2837	10µF 10% 16V 1210	2020 552 96675
2563	4.7nF 5% 25V 0402	3198 035 14720	2838	10nF 16V 0402	3198 035 71030
2564	10µF 20% 25V 1210	2020 552 96656	2839	47nF 5% 16V 0402	3198 035 74730
2601	100nF 10% 16V 0402	3198 035 71040	2840	10µF 10% 16V 1210	2020 552 96675
2605	100nF 10% 16V 0402	3198 035 71040	2841	1µF 10V 0603	3198 017 41050
2606	100nF 10% 16V 0402	3198 035 71040	2842	1µF 10V 0603	3198 017 41050
2607	100nF 10% 16V 0402	3198 035 71040	2843	47µF 6.3V	4822 124 11131
2608	100nF 10% 16V 0402	3198 035 71040	2844	100nF 10% 16V 0402	3198 035 71040
2609	100nF 10% 16V 0402	3198 035 71040	2845	10nF 16V 0402	3198 035 71030

S = Safety Part Be sure to use exact replacement part.



# 17PF9946/37 (continued)

2846	10nF 16V 0402 . . . . .	3198 035 71030	3063	1k ohms 5% 0402 . . . . .	4822 117 13548
2847	1µF 10V 0603 . . . . .	3198 017 41050	3064	100 ohms 1% 0402 . . . . .	4822 117 13545
2848	1µF 10V 0603 . . . . .	3198 017 41050	3065	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2849	10nF 10% 16V 0402 . . . . .	2020 552 96628	3066	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2860	18pF 5% 50V 0402 . . . . .	2238 869 15189	3067	100 ohms 1% 0402 . . . . .	4822 117 13545
2861	18pF 5% 50V 0402 . . . . .	2238 869 15189	3068	1k ohms 5% 0402 . . . . .	4822 117 13548
2862	18pF 5% 50V 0402 . . . . .	2238 869 15189	3069	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2863	18pF 5% 50V 0402 . . . . .	2238 869 15189	3070	100 ohms 1% 0402 . . . . .	4822 117 13545
2864	18pF 5% 50V 0402 . . . . .	2238 869 15189	3071	100 ohms 1% 0402 . . . . .	4822 117 13545
2865	18pF 5% 50V 0402 . . . . .	2238 869 15189	3073	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
2866	18pF 5% 50V 0402 . . . . .	2238 869 15189	3074	100k ohms 5% 0.1W . . . . .	4822 117 11297
2867	18pF 5% 50V 0402 . . . . .	2238 869 15189	3075	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2868	18pF 5% 50V 0402 . . . . .	2238 869 15189	3076	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
2869	18pF 5% 50V 0402 . . . . .	2238 869 15189	3077	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2909	330µF10V . . . . .	2020 021 90913	3078	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2910	470pF 50V 0402 . . . . .	3198 035 04710	3079	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2911	22µF 20% 35V . . . . .	2022 031 00308	3080	1k ohms 1% . . . . .	2322 704 61002
2920	47µF 16V . . . . .	4822 124 80151	3081	100 ohms 1% 0402 . . . . .	4822 117 13545
2921	47µF 16V . . . . .	4822 124 80151	3082	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2930	470µF 20% 16V . . . . .	2020 021 91871	3083	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2931	470pF 50V 0402 . . . . .	3198 035 04710	3084	100 ohms 1% 0402 . . . . .	4822 117 13545
2933	470µF 20% 16V . . . . .	2020 021 91871	3085	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2934	4.7nF 10% 50V 0402 . . . . .	2020 552 96793	3086	2.2k ohms 5% 0.01W 0402 . . . . .	4822 117 13602
2935	470µF 20% 16V . . . . .	2020 021 91871	3087	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2937	1nF 10% 50V 0402 . . . . .	2020 552 96618	3088	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2938	1nF 10% 50V 0402 . . . . .	2020 552 96618	3089	150k ohms 5% 0402 . . . . .	3198 031 01540
2939	1nF 10% 50V 0402 . . . . .	2020 552 96618	3091	100 ohms 1% 0402 . . . . .	4822 117 13545
2940	1nF 10% 50V 0402 . . . . .	2020 552 96618	3092	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2941	1nF 10% 50V 0402 . . . . .	2020 552 96618	3093	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2942	1nF 10% 50V 0402 . . . . .	2020 552 96618	3094	10 ohms 5% 0.01W 0402 . . . . .	3198 031 01090
2953	470µF 20% 16V . . . . .	2020 021 91871	3096	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2955	4.7nF 5% 25V 0402 . . . . .	3198 035 14720	3097	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2956	220pF 5% 50V 0402 . . . . .	3198 035 02210	3302	100 ohms 5% 0.062W . . . . .	4822 051 30101
2957	470µF 20% 16V . . . . .	2020 021 91871	3303	100 ohms 5% 0.062W . . . . .	4822 051 30101
2958	470µF 20% 16V . . . . .	2020 021 91871	3304	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2959	100nF 10% 16V 0402 . . . . .	3198 035 71040	3305	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2960	47µF 16V . . . . .	4822 124 80151	3309	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2961	10nF 16V 0402 . . . . .	3198 035 71030	3314	100k ohms 1% 0603 0.62W . . . . .	4822 117 13632
2962	100nF 10% 16V 0402 . . . . .	3198 035 71040	3315	150k ohms 5% 0.062W . . . . .	4822 051 30154
2964	1nF 10% 50V 0402 . . . . .	2020 552 96618	3316	820 ohms 5% 0.62W . . . . .	4822 117 12968
2965	1nF 10% 50V 0402 . . . . .	2020 552 96618	3317	560 ohms 5% 0.062W . . . . .	4822 051 30561
2966	1nF 10% 50V 0402 . . . . .	2020 552 96618	3319	27k ohms 5% 0.062W . . . . .	4822 051 30273
2968	1nF 10% 50V 0402 . . . . .	2020 552 96618	3320	18k ohms 5% 0.062W . . . . .	4822 051 30183
2969	1nF 10% 50V 0402 . . . . .	2020 552 96618	3321	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2970	1nF 10% 50V 0402 . . . . .	2020 552 96618	3322	6.8 ohms 5% 0.062W . . . . .	4822 051 30682
2992	100nF 10% 16V 0402 . . . . .	3198 035 71040	3323	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2993	1nF 10% 50V 0402 . . . . .	2020 552 96618	3327	1k ohms 5% 0402 . . . . .	4822 117 13548
2994	470µF 20% 16V . . . . .	2020 021 91871	3328	100 ohms 1% 0402 . . . . .	4822 117 13545
2995	100nF 10% 16V 0402 . . . . .	3198 035 71040	3329	100 ohms 1% 0402 . . . . .	4822 117 13545
2996	47µF 16V . . . . .	4822 124 80151	3357	1k ohms 5% 0402 . . . . .	4822 117 13548
3000	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3358	100 ohms 1% 0402 . . . . .	4822 117 13545
3001	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3359	390 ohms 1% 0402 . . . . .	3198 031 03910
3002	22k ohms 5% 0402 . . . . .	4822 117 13601	3370	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
3003	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3371	100 ohms 1% 0402 . . . . .	4822 117 13545
3004	22k ohms 5% 0402 . . . . .	4822 117 13601	3372	100 ohms 1% 0402 . . . . .	4822 117 13545
3006	100 ohms 1% 0402 . . . . .	4822 117 13545	3374	10 ohms 5% . . . . .	5322 117 11726
3007	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3378	100 ohms 1% 0402 . . . . .	4822 117 13545
3008	47 ohms 5% 0402 . . . . .	3198 031 04730	3380	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3009	100k ohms 5% 0.1W . . . . .	4822 117 11297	3381	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3010	1k ohms 5% 0402 . . . . .	4822 117 13548	3382	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3013	100 ohms 1% 0402 . . . . .	4822 117 13545	3383	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3014	Jumper 0402 . . . . .	4822 117 13605	3386	100 ohms 1% 0402 . . . . .	4822 117 13545
3015	Jumper 0402 . . . . .	4822 117 13605	3389	100 ohms 1% 0402 . . . . .	4822 117 13545
3016	100 ohms 1% 0402 . . . . .	4822 117 13545	3390	100 ohms 1% 0402 . . . . .	4822 117 13545
3017	Jumper 0402 . . . . .	4822 117 13605	3391	100 ohms 1% 0402 . . . . .	4822 117 13545
3019	100 ohms 1% 0402 . . . . .	4822 117 13545	3392	100 ohms 1% 0402 . . . . .	4822 117 13545
3020	1k ohms 5% 0402 . . . . .	4822 117 13548	3393	100 ohms 1% 0402 . . . . .	4822 117 13545
3021	2.7k ohms 1% 0402 . . . . .	2322 706 72702	3394	75 ohms 5% 0402 . . . . .	3198 031 07590
3022	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3401	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3023	5.6k ohms 5% 0.01W 0402 . . . . .	3198 031 05620	3402	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3024	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3403	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3025	56k ohms 1% 0402 . . . . .	2322 706 75603	3404	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3026	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530	3405	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3027	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3406	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3028	100k ohms 5% 0.1W . . . . .	4822 117 11297	3407	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3029	1k ohms 5% 0402 . . . . .	4822 117 13548	3408	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3030	100k ohms 5% 0.1W . . . . .	4822 117 11297	3409	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3032	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240	3410	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3035	100 ohms 1% 0402 . . . . .	4822 117 13545	3411	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3037	82k ohms 5% 0402 . . . . .	3198 031 08230	3412	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3048	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3413	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3049	100 ohms 1% 0402 . . . . .	4822 117 13545	3414	33 ohms 1% 0402 . . . . .	3198 031 03390
3050	100 ohms 1% 0402 . . . . .	4822 117 13545	3422	33 ohms 1% 0402 . . . . .	3198 031 03390
3051	100 ohms 1% 0402 . . . . .	4822 117 13545	3423	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3052	Jumper 0402 . . . . .	4822 117 13605	3424	150 ohms 1% 0603 . . . . .	2322 704 61501
3054	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3425	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3057	820 ohms 0402 . . . . .	2322 706 78201	3426	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3058	470 ohms 5% 0402 . . . . .	4822 117 13543	3432	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3059	1k ohms 5% 0402 . . . . .	4822 117 13548	3433	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3060	39k ohms 5% 0402 . . . . .	3198 031 03930	3434	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3061	1.8k ohms 5% 0.01W 0402 . . . . .	3198 031 01820	3436	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3062	Jumper 0402 . . . . .	4822 117 13605	3437	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606

S = Safety Part Be sure to use exact replacement part.

# 17PF9946/37 (continued)

3438	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3737	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3439	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3738	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3440	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3739	22k ohms 5% 0402 . . . . .	4822 117 13601
3441	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3740	22k ohms 5% 0402 . . . . .	4822 117 13601
3442	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3741	100k ohms 5% 0.1W. . . . .	4822 117 11297
3443	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3742	22k ohms 5% 0402 . . . . .	4822 117 13601
3444	47 ohms 5% 0402. . . . .	3198 031 04730	3743	22k ohms 5% 0402 . . . . .	4822 117 13601
3446	100 ohms 1% 0.063W 0603. . . . .	5322 117 13017	3744	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3447	33 ohms 1% 0402. . . . .	3198 031 03390	3745	100k ohms 5% 0.1W. . . . .	4822 117 11297
3448	10 ohms 5% 0.01W 0402. . . . .	3198 031 01090	3746	100k ohms 5% 0.1W. . . . .	4822 117 11297
3450	47 ohms 5% 0402. . . . .	3198 031 04730	3747	100k ohms 5% 0.1W. . . . .	4822 117 11297
3451	4.7k ohms 5% 0402. . . . .	3198 031 04720	3748	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3452	4.7k ohms 5% 0402. . . . .	3198 031 04720	3749	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3501	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3750	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3502	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3751	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3503	150 ohms 1% 0603 . . . . .	2322 704 61501	3801	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3531	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3802	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3532	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3803	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3534	1k ohms 5% 0402. . . . .	4822 117 13548	3804	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3536	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3805	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3538	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3806	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3539	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3807	33 ohms 1% 0402. . . . .	3198 031 03390
3540	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3808	4.7k ohms 5% 0402. . . . .	3198 031 04720
3544	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3809	4.7k ohms 5% 0402. . . . .	3198 031 04720
3545	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3810	4.7k ohms 5% 0402. . . . .	3198 031 04720
3546	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3813	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3547	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3815	100 ohms 1% 0402 . . . . .	4822 117 13545
3548	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3816	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3551	Jumper 0603. . . . .	4822 051 30008	3817	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3552	Jumper 0603. . . . .	4822 051 30008	3819	100 ohms 1% 0402 . . . . .	4822 117 13545
3560	100k ohms 5% 0.1W. . . . .	4822 117 11297	3821	33 ohms 1% 0402. . . . .	3198 031 03390
3561	100k ohms 5% 0.1W. . . . .	4822 117 11297	3822	4.7k ohms 5% 0402. . . . .	3198 031 04720
3562	100k ohms 5% 0.1W. . . . .	4822 117 11297	3823	4.7k ohms 5% 0402. . . . .	3198 031 04720
3563	1k ohms 5% 0402. . . . .	4822 117 13548	3824	100 ohms 1% 0402 . . . . .	4822 117 13545
3564	1k ohms 5% 0402. . . . .	4822 117 13548	3825	100 ohms 1% 0402 . . . . .	4822 117 13545
3565	1.2k ohms 5% 0.01W 0402. . . . .	3198 031 01220	3826	1 ohms 5% 0.062W . . . . .	4822 117 12917
3566	1k ohms 5% 0402. . . . .	4822 117 13548	3827	1 ohms 5% 0.062W . . . . .	4822 117 12917
3605	100 ohms 1% 0402 . . . . .	4822 117 13545	3829	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3606	100 ohms 1% 0402 . . . . .	4822 117 13545	3830	33 ohms 1% 0402. . . . .	3198 031 03390
3607	100 ohms 1% 0402 . . . . .	4822 117 13545	3831	3.9k ohms 5% 0402. . . . .	3198 031 03920
3608	100 ohms 1% 0402 . . . . .	4822 117 13545	3833	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3609	100 ohms 1% 0402 . . . . .	4822 117 13545	3834	100 ohms 1% 0402 . . . . .	4822 117 13545
3610	22k ohms 5% 0402 . . . . .	4822 117 13601	3835	390 ohms 1% 0402 . . . . .	3198 031 03910
3612	470 ohms 5% 0402 . . . . .	4822 117 13543	3836	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3613	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3837	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3614	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3838	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3615	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3839	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3616	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3910	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602
3617	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3911	1k ohms 5% 0402. . . . .	4822 117 13548
3618	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3930	1 ohms 5% 0.062W . . . . .	4822 117 12917
3619	820 ohms 5% 0.5W . . . . .	3198 031 08210	3931	1 ohms 5% 0.062W . . . . .	4822 117 12917
3620	100k ohms 1% 0603 0.62W. . . . .	4822 117 13632	3932	1k ohms 1% . . . . .	2322 704 61002
3621	100k ohms 5% 0.1W. . . . .	4822 117 11297	3933	3.3k ohms 1% 0603. . . . .	2322 704 63302
3622	100k ohms 5% 0.1W. . . . .	4822 117 11297	3951	1 ohms 5% 0.062W . . . . .	4822 117 12917
3623	100k ohms 5% 0.1W. . . . .	4822 117 11297	3952	1 ohms 5% 0.062W . . . . .	4822 117 12917
3624	100k ohms 5% 0.1W. . . . .	4822 117 11297	3953	1k ohms 1% . . . . .	2322 704 61002
3625	100k ohms 5% 0.1W. . . . .	4822 117 11297	3954	3.3k ohms 1% 0603. . . . .	2322 704 63302
3626	100k ohms 5% 0.1W. . . . .	4822 117 11297	3955	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3633	100 ohms 1% 0402 . . . . .	4822 117 13545	3958	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
3634	100 ohms 1% 0402 . . . . .	4822 117 13545	4002	Jumper 0402. . . . .	4822 117 13605
3635	100 ohms 1% 0402 . . . . .	4822 117 13545	4004	Jumper 0402. . . . .	4822 117 13605
3640	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602	4005	Jumper 0402. . . . .	4822 117 13605
3641	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4006	Jumper 0402. . . . .	4822 117 13605
3642	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4007	Jumper 0402. . . . .	4822 117 13605
3643	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4008	Jumper 0402. . . . .	4822 117 13605
3644	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4010	Jumper 0402. . . . .	4822 117 13605
3645	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4011	Jumper 0402. . . . .	4822 117 13605
3646	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4012	Jumper 0402. . . . .	4822 117 13605
3703	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4313	Jumper 0603. . . . .	4822 051 30008
3706	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4318	Jumper 0603. . . . .	4822 051 30008
3711	39 ohms 5% 0402. . . . .	2322 705 70399	4327	Jumper 0603. . . . .	4822 051 30008
3711	Jumper 0402. . . . .	4822 117 13605	4331	Jumper 0603. . . . .	4822 051 30008
3712	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4340	Jumper 0603. . . . .	4822 051 30008
3714	12k ohms 5% 0402 . . . . .	3198 031 01230	4360	Jumper 0402. . . . .	4822 117 13605
3714	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4361	Jumper 0402. . . . .	4822 117 13605
3715	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4362	Jumper 0402. . . . .	4822 117 13605
3717	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4363	Jumper 0402. . . . .	4822 117 13605
3718	39 ohms 5% 0402. . . . .	2322 705 70399	4428	Jumper 0603. . . . .	4822 051 30008
3718	Jumper 0402. . . . .	4822 117 13605	4445	Jumper 0603. . . . .	4822 051 30008
3719	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4601	Jumper 0402. . . . .	4822 117 13605
3722	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4602	Jumper 0402. . . . .	4822 117 13605
3725	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4603	Jumper 0402. . . . .	4822 117 13605
3726	12k ohms 5% 0402 . . . . .	3198 031 01230	4608	Jumper 0402. . . . .	4822 117 13605
3726	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4636	Jumper 0402. . . . .	4822 117 13605
3727	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4708	Jumper 0402. . . . .	4822 117 13605
3730	6.8k ohms 5% 0.01W 0402. . . . .	3198 031 06820	5001	1000µF 20% 7032. . . . .	2422 536 00667
3730	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	5002	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3731	470 ohms 5% 0402 . . . . .	4822 117 13543	5003	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3732	1k ohms 5% 0402. . . . .	4822 117 13548	5004	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3733	470 ohms 5% 0402 . . . . .	4822 117 13543	5005	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3735	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5006	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3736	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5007	Bead 30 ohms at 100MHz . . . . .	4822 157 11716

S = Safety Part Be sure to use exact replacement part.

5008	Bead 30 ohms at 100MHz	4822 157 11716	7531	M24C32-WMN6TNKSA	9322 156 81668
5060	Bead 30 ohms at 100MHz	4822 157 11716	7532	NE56610-27GW	9352 691 71115
5070	Bead 30 ohms at 100MHz	4822 157 11716	7560	TDA9178T/N1	9352 334 10118
5071	Bead 120 ohms 100MHz	2422 549 42896	7562	L7808CD2T	9322 199 24668
5072	Bead 120 ohms 100MHz	2422 549 42896	7563	PMBT2369	4822 209 73852
5304	Bead 60 ohms at 100MHz	4822 157 11499	7604	74LVC14APW	9352 607 39118
5309	12uH 10%	3198 018 31290	7605	74HC4053D	4822 209 60792
5321	0.39uF 10% 0805	3198 018 33970	7606	ADG781BCP	9322 199 56668
5324	0.68uH	4822 157 71334	7607	SM5301BS-G	9322 199 80668
5370	Bead 30 ohms at 100MHz	4822 157 11716	7640	PDTC114ET	4822 130 11155
5371	Bead 30 ohms at 100MHz	4822 157 11716	7702	BC847BS	9340 425 20115
5372	Bead 220 ohms at 100MHz	2422 549 44197	7703	BC847BS	9340 425 20115
5530	Bead 120 ohms 100MHz	2422 549 45333	7706	74HC08PW	9351 742 70118
5560	Bead 30 ohms at 100MHz	4822 157 11716	7708	PUMH7	9340 550 49115
5605	Bead 120 ohms 100MHz	2422 549 45333	7709	TDA7297D	9322 206 09668
5607	Bead 120 ohms 100MHz	2422 549 45333	7710	BC847BW	3198 010 42310
5636	Bead 120 ohms 100MHz	2422 549 45333	7740	TS482ID	9322 183 05668
5646	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01432
5801	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01442
5802	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01452
5803	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01561
5804	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01581
5805	Bead 120 ohms 100MHz	2422 549 42896	7806	BSN20	9965 000 04199
5909	100 Mhz 0603	2422 549 45843	7807	BSN20	9965 000 04199
5910	1000uF 20% 7032	2422 536 00667	7808	SI9993CTG100	9322 199 35671
5920	Bead 120 ohms 100MHz	2422 549 45333	7809	UDA1334BT/N2	9352 703 94118
5930	10uH 20% 0805	2422 535 94134	7810	HEF4053BT	5322 209 14481
5931	220uF 20%	2422 536 00689	7910	BC817-25	4822 130 42804
5932	10uH 20% 0805	2422 535 94134	7920	L78M08CDT	9322 163 24668
5952	10uH 20% 0805	2422 535 94134	7930	MC34063AD	5322 209 90529
5953	220uF 20%	2422 536 00689	7952	MC34063AD	5322 209 90529
5954	10uH 20% 0805	2422 535 94134	7953	L4940D2T12	9322 199 25668
5956	Bead 120 ohms 100MHz	2422 549 45333	7954	SI12301DS	9322 157 51685
5958	Bead 120 ohms 100MHz	2422 549 45333	7955	PDTC114ET	4822 130 11155
5959	Bead 120 ohms 100MHz	2422 549 45333	7992	LF25CDT	9322 142 88668
5984	Bead 120 ohms 100MHz	2422 549 45333	7995	LD1086D2T18	9322 189 19668
5985	Bead 120 ohms 100MHz	2422 549 45333	8002	Cable 20p/150/20p	3139 131 04261
5986	Bead 120 ohms 100MHz	2422 549 45333			
5987	Bead 120 ohms 100MHz	2422 549 45333			
5988	Bead 120 ohms 100MHz	2422 549 45333			
5989	Bead 120 ohms 100MHz	2422 549 45333			
5990	Bead 120 ohms 100MHz	2422 549 45333			
5991	Bead 120 ohms 100MHz	2422 549 45333			
5994	Bead 120 ohms 100MHz	2422 549 45333			
5996	Bead 120 ohms 100MHz	2422 549 45333			
5997	Bead 120 ohms 100MHz	2422 549 45333			
5998	Bead 120 ohms 100MHz	2422 549 45333			
6001	BAS316	4822 130 11397			
6020	BAS316	4822 130 11397			
6021	BAS316	4822 130 11397			
6073	BAT54	4822 130 80			

# 17PF9946/37 (continued)

2889	10µF 16V . . . . .	4822	124	23002	5889	Bead 120 ohms at 100MHz. . . . .	4822	157	11506
2890	100nF 20% 50V 0603 . . . . .	2238	586	59812	5890	10µH 5% 1210 . . . . .	4822	157	71314
2891	10µF 16V . . . . .	4822	124	23002	5891	15µF 5% 1008 . . . . .	3198	018	61590
2892	10nF 10% 50V 0603. . . . .	5322	126	11583	6875	1P576SB10. . . . .	4822	130	11528
2893	150pF 10% 50V 0603 . . . . .	3198	016	31510	6876	BA517. . . . .	4822	130	81289
2894	150pF 10% 50V 0603 . . . . .	3198	016	31510	7800	BC847BW. . . . .	3198	010	42310
2895	10nF 10% 50V 0603. . . . .	5322	126	11583	7801	BC857BW. . . . .	3198	010	42320
2896	10µF 16V . . . . .	4822	124	23002	7802	BF570. . . . .	4822	130	62755
2897	150pF 10% 50V 0603 . . . . .	3198	016	31510	7803	BC857BW. . . . .	3198	010	42320
3801	33 ohms 5% 0.062W. . . . .	4822	051	30339	7807	BC857BW. . . . .	3198	010	42320
3802	Jumper 0603. . . . .	4822	051	30008	7808	BC847BW. . . . .	3198	010	42310
3803	1k ohms 5% 0.062W. . . . .	4822	051	30102	7809	BC847BW. . . . .	3198	010	42310
3804	47 ohms 5% 0.062W. . . . .	4822	051	30479	7812	BF550. . . . .	4822	130	42131
3805	100 ohms 5% 0.062W. . . . .	4822	051	30101	7816	BC847BW. . . . .	3198	010	42310
3806	120 ohms 5% 0.062W. . . . .	4822	051	30121	7817	BC857BW. . . . .	3198	010	42320
3807	120 ohms 5% 0.062W. . . . .	4822	051	30121	7818	BF570. . . . .	4822	130	62755
3808	120 ohms 5% 0.062W. . . . .	4822	051	30121	7823	UPD64083GF . . . . .	9322	170	65671
3809	330 ohms 5% 0.062W. . . . .	4822	051	30331	7837	BC857BW. . . . .	3198	010	42320
3810	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	7851	LF25CDT. . . . .	9322	142	88668
3811	560 ohms 5% 0.062W. . . . .	4822	051	30561	7860	BC847BW. . . . .	3198	010	42310
3812	10 ohms 5% 0.062W. . . . .	4822	051	30109	7861	BC857BW. . . . .	3198	010	42320
3813	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	7862	BC847BW. . . . .	3198	010	42310
3814	10 ohms 5% 0.062W. . . . .	4822	051	30109	7875	LM809M3X-3.08. . . . .	9322	163	48668
3815	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903	7890	BC847BW. . . . .	3198	010	42310
3816	47 ohms 5% 0.062W. . . . .	4822	051	30479	8800	Cable foil 10p/200/10p . . . . .	3139	131	04031
3817	1k ohms 5% 0.062W. . . . .	4822	051	30102	8800	Cable foil 10p/180 shielded. . . . .	3139	131	04771
3818	Jumper 0603. . . . .	4822	051	30008					
3819	47 ohms 5% 0.062W. . . . .	4822	051	30479	Side I/O Parts [D]				
3820	330 ohms 5% 0.062W. . . . .	4822	051	30331	Side I/O Parts [D]				
3821	180 ohms 5% 0.062W. . . . .	4822	051	30181	0229	FACTORY PLATE. . . . .	3122	120	01701
3822	120 ohms 5% 0.062W. . . . .	4822	051	30121	1301	20P Female . . . . .	2422	025	14531
3823	120 ohms 5% 0.062W. . . . .	4822	051	30121	1302	Connector 6p f . . . . .	2422	025	04854
3824	330 ohms 5% 0.062W. . . . .	4822	051	30331	1306	Connector Phone. . . . .	2422	026	05059
3825	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1307	YKF51-5359 . . . . .	4822	267	10484
3826	560 ohms 5% 0.062W. . . . .	4822	051	30561	1308	Soc phone 1P . . . . .	2422	026	05513
3827	10 ohms 5% 0.062W. . . . .	4822	051	30109	1309	Tact switch. . . . .	4822	276	13202
3828	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	1310	Tact switch. . . . .	4822	276	13202
3829	10 ohms 5% 0.062W. . . . .	4822	051	30109	1311	Tact switch. . . . .	4822	276	13202
3830	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1312	Tact switch. . . . .	4822	276	13202
3832	12k ohms 5% 0.1W . . . . .	4822	051	30123	1313	Tact switch. . . . .	4822	276	13202
3833	10 ohms 5% 0.062W. . . . .	4822	051	30109	2301	1µF 10V 0603 . . . . .	3198	017	41050
3834	47 ohms 5% 0.062W. . . . .	4822	051	30471	2302	330pF 0603 50V . . . . .	4822	126	14241
3835	47 ohms 5% 0.062W. . . . .	4822	051	30471	2303	1µF 10V 0603 . . . . .	3198	017	41050
3836	10 ohms 5% 0.062W. . . . .	4822	051	30109	2304	330pF 0603 50V . . . . .	4822	126	14241
3837	560 ohms 5% 0.062W. . . . .	4822	051	30561	2305	330pF 0603 50V . . . . .	4822	126	14241
3838	1k ohms 5% 0.062W. . . . .	4822	051	30102	2306	330pF 0603 50V . . . . .	4822	126	14241
3839	560 ohms 5% 0.062W. . . . .	4822	051	30561	2326	1µF 10V 0603 . . . . .	3198	017	41050
3841	820 ohms 5% 0.62W. . . . .	4822	117	12968	3301	330 ohms 5% 0.062W . . . . .	4822	051	30331
3842	3.3 ohms 5% 0.062W. . . . .	4822	051	30332	3302	33 ohms 5% 0.062W. . . . .	4822	051	30339
3843	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	3303	220 ohms 5% 0.062W . . . . .	4822	051	30221
3844	10 ohms 5% 0.062W. . . . .	4822	051	30109	3304	22k ohms 5% 0.062W . . . . .	4822	051	30223
3847	12k ohms 5% 0.1W . . . . .	4822	051	30123	3305	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3855	1 ohms 5% . . . . .	4822	117	11151	3306	75 ohms 5% 0.062W. . . . .	4822	051	30759
3860	47 ohms 5% 0.062W. . . . .	4822	051	30471	3307	22k ohms 5% 0.062W . . . . .	4822	051	30223
3861	4.7 ohms 5% 0.062W. . . . .	4822	051	30472	3308	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3862	27k ohms 5% 0.062W. . . . .	4822	051	30273	3316	33 ohms 5% 0.062W. . . . .	4822	051	30339
3863	1k ohms 5% 0.062W. . . . .	4822	051	30102	3318	150 ohms 5% 0.062W . . . . .	4822	051	30151
3864	220 ohms 5% 0.062W. . . . .	4822	051	30221	3319	390 ohms 5% 0.062W . . . . .	4822	051	30391
3865	2.2k ohms 5% 0.062W. . . . .	4822	051	30222	3320	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903
3866	220k ohms 1% . . . . .	4822	117	12891	3321	820 ohms 5% 0.62W. . . . .	4822	117	12968
3867	47 ohms 5% 0.062W. . . . .	4822	051	30471	3322	Jumper 0603. . . . .	4822	051	30008
3875	220 ohms 5% 0.062W. . . . .	4822	051	30221	3323	Jumper 0603. . . . .	4822	051	30008
3876	150 ohms 5% 0.062W. . . . .	4822	051	30151	3325	75 ohms 5% 0.062W. . . . .	4822	051	30759
3878	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3326	1k ohms 5% 0.062W. . . . .	4822	051	30102
3879	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3327	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632
3881	47 ohms 5% 0.062W. . . . .	4822	051	30479	3328	100 ohms 5% 0.062W . . . . .	4822	051	30101
3882	47 ohms 5% 0.062W. . . . .	4822	051	30479	3329	56k ohms 5% 0.062W . . . . .	4822	051	30563
3883	1k ohms 5% 0.062W. . . . .	4822	051	30102	4301	Jumper 0603. . . . .	4822	051	30008
3884	220 ohms 5% 0.062W. . . . .	4822	051	30221	4304	Jumper 0603. . . . .	4822	051	30008
3890	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	4305	Jumper 0603. . . . .	4822	051	30008
3891	10 ohms 5% 0.062W. . . . .	4822	051	30109	4311	Jumper 0603. . . . .	4822	051	30008
3892	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	4312	Jumper 0603. . . . .	4822	051	30008
3893	47 ohms 5% 0.062W. . . . .	4822	051	30471	4313	Jumper 0603. . . . .	4822	051	30008
3894	47 ohms 5% 0.062W. . . . .	4822	051	30471	4320	Jumper 0603. . . . .	4822	051	30008
3895	1k ohms 5% 0.062W. . . . .	4822	051	30102	4322	Jumper 0603. . . . .	4822	051	30008
3896	100 ohms 5% 0.062W. . . . .	4822	051	30101	4323	Jumper 0603. . . . .	4822	051	30008
5801	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4324	Jumper 0603. . . . .	4822	051	30008
5802	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4325	Jumper 0603. . . . .	4822	051	30008
5804	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4326	Jumper 0603. . . . .	4822	051	30008
5806	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4327	Jumper 0603. . . . .	4822	051	30008
5832	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4329	Jumper 0603. . . . .	4822	051	30008
5835	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4330	Jumper 0603. . . . .	4822	051	30008
5840	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4331	Jumper 0603. . . . .	4822	051	30008
5841	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4332	Jumper 0603. . . . .	4822	051	30008
5849	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4333	Jumper 0603. . . . .	4822	051	30008
5851	10µH 5% 1210 . . . . .	4822	157	71314	4334	Jumper 0603. . . . .	4822	051	30008
5852	10µH 5% 1210 . . . . .	4822	157	71314	4335	Jumper 0603. . . . .	4822	051	30008
5855	10µH 5% 1210 . . . . .	4822	157	71314	4337	Jumper 0603. . . . .	4822	051	30008
5856	10µH 5% . . . . .	2422	536	00215	6306	UD24.7B. . . . .	4822	130	11148
5860	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	7326	BC856B . . . . .	4822	130	60373
5870	10µH 5% 1210 . . . . .	4822	157	71314	8540	Cable 6P . . . . .	3139	131	03641
5888	10µH 5% . . . . .	2422	536	00215					

## Front LED Panel Parts [J]

### Front LED Panel Parts [J]

S = Safety Part Be sure to use exact replacement part.

# 17PF9946/37 (continued)

0080	Light sensor holder. . . . .	3139	120	10171	3231	22k ohms 5% 0.062W . . . . .	4822	051	30223
2540	100µF 20% 16V. . . . .	4822	124	41643	3232	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
2541	1µF 10V 0603 . . . . .	3198	017	41050	3233	22k ohms 5% 0.062W . . . . .	4822	051	30223
3540	330 ohms 5% 0.062W . . . . .	4822	051	30331	3234	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3542	220 ohms 5% 0.062W . . . . .	4822	051	30221	3235	75 ohms 5% 0.062W. . . . .	4822	051	30759
3544	3.3 ohms 5% 0.062W . . . . .	4822	051	30332	3236	75 ohms 5% 0.062W. . . . .	4822	051	30759
3547	2.2M ohms 5% 0603. . . . .	3198	021	32250	3238	390 ohms 1% 0.063W 0603. . . . .	5322	117	13062
4540	Jumper 0603. . . . .	4822	051	30008	3239	82k ohms 5% 0.6W . . . . .	4822	117	12864
4541	Jumper 0603. . . . .	4822	051	30008	3240	82k ohms 5% 0.6W . . . . .	4822	117	12864
4542	Jumper 0603. . . . .	4822	051	30008	3241	10k ohms 5% 0.062W . . . . .	4822	051	30103
6540	SPR-325MVW . . . . .	9322	192	35676	3242	1k ohms 5% 0.062W. . . . .	4822	051	30102
6541	IR receiverTSOP34836LL1B . . . . .	9322	207	16667	3681	Jumper 0603. . . . .	4822	051	30008
7540	BC856B . . . . .	4822	130	60373	3683	75 ohms 5% 0.062W. . . . .	4822	051	30759
7541	BC846B . . . . .	5322	130	60159	3684	75 ohms 5% 0.062W. . . . .	4822	051	30759
7542	BC846B . . . . .	5322	130	60159	3686	Jumper 0603. . . . .	4822	051	30008
7543	BPW34. . . . .	9322	190	34682	3687	75 ohms 5% 0.062W. . . . .	4822	051	30759

## Rear I/O Panel Parts [H]

Rear I/O Panel Parts [H]									
1103	45P Female . . . . .	2422	025	18249	3697	10k ohms 5% 0.062W . . . . .	4822	051	30103
1104	20P Female . . . . .	2422	025	14551	3698	22k ohms 5% 0.062W . . . . .	4822	051	30223
1175	Socket CINC3 3p f h RdBuGn . . . . .	2422	026	05589	3699	22k ohms 5% 0.062W . . . . .	4822	051	30223
1176	Socket phone 1P f. . . . .	2422	026	05553	3700	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1177	Socket phone 1P f. . . . .	2422	026	05553	3701	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1178	Socket SUBD 15p f v. . . . .	2422	025	18088	4175	Jumper 0603. . . . .	4822	051	30008
1178	Socket SUBD 15p f h. . . . .	2422	025	18477	4176	Jumper 0603. . . . .	4822	051	30008
1179	Socket HDMI 29P f. . . . .	2422	033	00504	4223	Jumper 0603. . . . .	4822	051	30008
1180	Socket headphone . . . . .	4822	267	31014	5681	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1182	Socket CINC3 3p f RdWhYe . . . . .	2422	026	05499	5683	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1183	Connector 4P f . . . . .	2422	026	05428	5684	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1690	Connector 20p f h 0.50 . . . . .	2422	025	18011	5687	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1698	45P Female . . . . .	2422	025	18249	6100	BAS316 . . . . .	4822	130	11397
2179	10nF 10% 50V 0603. . . . .	5322	126	11583	6695	BAS316 . . . . .	4822	130	11397
2182	330pF 0603 50V . . . . .	4822	126	14241	7193	BC857BW. . . . .	3198	010	42320
2183	1µF 10V 0603 . . . . .	3198	017	41050	7225	BC847BW. . . . .	3198	010	42310
2184	330pF 0603 50V . . . . .	4822	126	14241	7226	BC847BW. . . . .	3198	010	42310
2185	1µF 10V 0603 . . . . .	3198	017	41050	7227	BC847BW. . . . .	3198	010	42310
2190	10µF 16V . . . . .	4822	124	23002	7228	BC847BW. . . . .	3198	010	42310
2194	1µF 10V 0603 . . . . .	3198	017	41050	7229	BC847BW. . . . .	3198	010	42310
2195	220nF +80-20% 16V. . . . .	4822	126	13879	7230	BC847BW. . . . .	3198	010	42310
2196	1µF 10V 0603 . . . . .	3198	017	41050	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01511
2225	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01641
2227	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01961
2228	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01971
2231	330pF 0603 50V . . . . .	4822	126	14241	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01991
2232	1µF 10V 0603 . . . . .	3198	017	41050	8103	FFC Foil 45P . . . . .	3139	131	03511
2233	330pF 0603 50V . . . . .	4822	126	14241	8103	Cable foil 45p/060/45p . . . . .	3139	131	04721
2234	1µF 10V 0603 . . . . .	3198	017	41050	8690	Cable foil 20p/60 shielded . . . . .	3139	131	04051
2238	100nF 20% 50V 0603 . . . . .	2238	586	59812	8698	FFC Foil 45P . . . . .	3139	131	03511
2683	1µF 10V 0603 . . . . .	3198	017	41050	8698	Cable foil 45p/060/45p . . . . .	3139	131	04721
2684	1µF 10V 0603 . . . . .	3198	017	41050					
2687	1µF 10V 0603 . . . . .	3198	017	41050					
2693	100nF 20% 50V 0603 . . . . .	2238	586	59812					
2698	100pF 5% 50V . . . . .	2020	552	94427	1001	Pixel Plus Panel Parts [PP]			
2699	100pF 5% 50V . . . . .	2020	552	94427	1002	Pixel Plus Panel Parts [PP]			
2704	330pF 0603 50V . . . . .	4822	126	14241	1003	Connector 9p m . . . . .	2422	025	17192
2705	330pF 0603 50V . . . . .	4822	126	14241	1206	Connector 20p m v 1.25 . . . . .	2422	025	18314
3175	75 ohms 5% 0.062W. . . . .	4822	051	30759	1207	Connector 20p m v 1.25 . . . . .	2422	025	18314
3176	330 ohms 5% 0.062W . . . . .	4822	051	30331	1209	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3177	330 ohms 5% 0.062W . . . . .	4822	051	30331	1210	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3178	75 ohms 5% 0.062W. . . . .	4822	051	30759	1211	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3179	75 ohms 5% 0.062W. . . . .	4822	051	30759	1403	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3180	330 ohms 5% 0.062W . . . . .	4822	051	30331	1404	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3181	330 ohms 5% 0.062W . . . . .	4822	051	30331	1405	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3182	22k ohms 5% 0.062W . . . . .	4822	051	30223	1406	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3183	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	1407	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3184	22k ohms 5% 0.062W . . . . .	4822	051	30223	2101	100pF 5% 50V . . . . .	2020	552	94427
3185	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	2102	100pF 5% 50V . . . . .	2020	552	94427
3186	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2103	100pF 5% 50V . . . . .	2020	552	94427
3187	10k ohms 5% 0.062W . . . . .	4822	051	30103	2104	100pF 5% 50V . . . . .	2020	552	94427
3188	10k ohms 5% 0.062W . . . . .	4822	051	30103	2105	100nF 20% 50V 0603 . . . . .	2238	586	59812
3190	47 ohms 5% 0.062W. . . . .	4822	051	30479	2106	100pF 5% 50V . . . . .	2020	552	94427
3191	33 ohms 5% 0.062W. . . . .	4822	051	30339	2107	100nF 20% 50V 0603 . . . . .	2238	586	59812
3192	75 ohms 5% 0.062W. . . . .	4822	051	30759	2108	1µF 10% 6V3 0603 . . . . .	2022	552	05614
3193	100 ohms 5% 0.062W . . . . .	4822	051	30101	2110	1nF 25V 0603 . . . . .	3198	016	31020
3194	1k ohms 5% 0.062W. . . . .	4822	051	30102	2112	100nF 20% 50V 0603 . . . . .	2238	586	59812
3195	56k ohms 5% 0.062W . . . . .	4822	051	30563	2113	100nF 20% 50V 0603 . . . . .	2238	586	59812
3196	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	2114	2.2µF 10% 6.3V . . . . .	2022	552	05682
3197	10k ohms 5% 0.062W . . . . .	4822	051	30103	2115	100nF 20% 50V 0603 . . . . .	2238	586	59812
3198	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2116	2.2µF 10% 6.3V . . . . .	2022	552	05682
3199	27k ohms 5% 0.062W . . . . .	4822	051	30273	2121	100nF 20% 50V 0603 . . . . .	2238	586	59812
3220	330 ohms 5% 0.062W . . . . .	4822	051	30331	2122	100nF 20% 50V 0603 . . . . .	2238	586	59812
3221	330 ohms 5% 0.062W . . . . .	4822	051	30331	2123	100nF 20% 50V 0603 . . . . .	2238	586	59812
3222	75 ohms 5% 0.062W. . . . .	4822	051	30759	2124	100nF 20% 50V 0603 . . . . .	2238	586	59812
3223	75 ohms 5% 0.062W. . . . .	4822	051	30759	2130	100nF 20% 50V 0603 . . . . .	2238	586	59812
3224	33 ohms 5% 0.062W. . . . .	4822	051	30339	2131	100nF 20% 50V 0603 . . . . .	2238	586	59812
3225	10k ohms 5% 0.062W . . . . .	4822	051	30103	2132	100nF 20% 50V 0603 . . . . .	2238	586	59812
3226	10k ohms 5% 0.062W . . . . .	4822	051	30103	2133	100nF 20% 50V 0603 . . . . .	2238	586	59812
3227	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2134	100nF 20% 50V 0603 . . . . .	2238	586	59812
3228	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2135	2.2µF 10% 6.3V . . . . .	2022	552	05682
3229	10k ohms 5% 0.062W . . . . .	4822	051	30103	2136	100nF 20% 50V 0603 . . . . .	2238	586	59812
3230	10k ohms 5% 0.062W . . . . .	4822	051	30103	2139	100nF 20% 50V 0603 . . . . .	2238	586	59812

S = Safety Part Be sure to use exact replacement part.

# 17PF9946/37 (continued)

2140	100nF 20% 50V 0603 . . . . .	2238 586 59812	5105	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2141	100nF 20% 50V 0603 . . . . .	2238 586 59812	5106	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2142	100nF 20% 50V 0603 . . . . .	2238 586 59812	5107	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2143	100nF 20% 50V 0603 . . . . .	2238 586 59812	5201	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2144	100nF 20% 50V 0603 . . . . .	2238 586 59812	5202	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2145	100nF 20% 50V 0603 . . . . .	2238 586 59812	5203	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2146	100nF 20% 50V 0603 . . . . .	2238 586 59812	5401	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2147	100nF 20% 50V 0603 . . . . .	2238 586 59812	5402	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2148	100nF 20% 50V 0603 . . . . .	2238 586 59812	5403	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2149	100nF 20% 50V 0603 . . . . .	2238 586 59812	7101	EP1C12F256C8 . . . . .	9322 200 14671
2150	100nF 20% 50V 0603 . . . . .	2238 586 59812	7102	Softw. (See Prod.Surv.) . . . . .	3122 357 00601
2201	100nF 20% 50V 0603 . . . . .	2238 586 59812	7108	Xtal 14.31818MHz 15pF SMD . . . . .	2722 171 08825
2202	100nF 20% 50V 0603 . . . . .	2238 586 59812	7110	BC847BS. . . . .	9340 425 20115
2203	100nF 20% 50V 0603 . . . . .	2238 586 59812	7201	THC63LVDF84B . . . . .	9322 210 59668
2204	100nF 20% 50V 0603 . . . . .	2238 586 59812	7403	THC63LVDM83R . . . . .	9322 201 03668
2205	100nF 20% 50V 0603 . . . . .	2238 586 59812	7501	LF15ABDT . . . . .	9322 170 14668
2206	1pF 25% 50V 0603 . . . . .	3198 016 31080	7504	SI2307DS . . . . .	9322 190 77685
2207	1pF 25% 50V 0603 . . . . .	3198 016 31080	7505	PDTC114ET. . . . .	4822 130 11155
2208	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2209	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2210	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2211	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2212	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2213	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2214	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2215	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2216	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2401	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2402	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2403	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2404	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2405	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2406	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2407	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2408	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2409	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2410	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2411	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2412	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2413	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2414	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2415	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2419	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2502	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2503	100µF 20% 16V. . . . .	4822 124 12095			
2504	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2505	2.2µF 10% 6.3V . . . . .	2022 552 05682			
2508	22pF 5% 50V. . . . .	4822 122 33761			
2509	22pF 5% 50V. . . . .	4822 122 33761			
2515	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2516	22pF 5% 50V. . . . .	4822 122 33761			
2520	22pF 5% 50V. . . . .	4822 122 33761			
2522	10nF 10% 50V 0603. . . . .	5322 126 11583			
3101	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3102	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3103	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3104	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3105	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3106	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3107	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3108	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3109	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3110	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3111	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3112	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3113	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3114	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3115	1k ohms 5% 0.062W. . . . .	4822 051 30102			
3116	33k ohms 5% 0.062W . . . . .	4822 051 30333			
3117	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3118	33k ohms 5% 0.062W . . . . .	4822 051 30333			
3122	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3125	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3202	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3204	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3207	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3210	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3213	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3216	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3402	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3403	1k ohms 5% 0.062W. . . . .	4822 051 30102			
3406	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3407	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3421	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3510	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3512	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3513	1k ohms 5% 0.062W. . . . .	4822 051 30102			
3515	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3519	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3520	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
5101	Bead 30 ohms at 100MHz . . . . .	4822 157 11716			
5104	Bead 30 ohms at 100MHz . . . . .	4822 157 11716			

S = Safety Part Be sure to use exact replacement part.

# 23PF9946/37 - Manual no. 7670

## Set Level Parts

Set Level Parts			
REMOTE	Remote Transmitter, RCAE049_FRP.	3128	147 15921
S 1001	AC Line Cord	2422	070 98208
1002	FM Antenna Wire.	3139	131 02781
1116	Side I/O panel	3139	188 54481
1121	3D Comb-fiter panel 23'	3139	188 53061
1121	3D Comb-fiter panel 26'	3139	188 68791
1126	Rear I/O panel 17'	3139	188 52981
1126	Rear I/O panel 26'	3139	188 80961
1126	Rear I/O panel 23'	3139	188 80981
1129	ASSY LC04 LCPI (EPLD).	3139	188 81401
1150	TV & Scaler board 17'	3139	188 56751
1150	TV & Scaler board 23'	3139	188 80511
1150	TV & Scaler board 26'	3139	188 80541
S 1188	Power supply 17'	3122	137 23041
S 1188	Power supply 23'	3122	137 23071
S 1188	Power supply 26'	3122	137 23081
8190	Cable VGA 1.5m CINCH RdGnBu.	2422	076 00584
8192	Cable coax 1.5m.	2422	076 00604
8194	Cable 1.5M	2422	076 00585
8301	Cable foil 20p/75/20p.	3139	131 03972
8301	Cable foil 20p/150/20p.	3139	131 04011
8301	Cable foil 20p/150 1.25.	3139	131 04691
8301	Cable foil 20p/130 1.25.	3139	131 04701
8403	Cable 20P.	3139	131 03581
8403	Cable 20p/280/20p.	3139	131 04271

## TV & Scaler Board Parts [A]

TV & Scaler Board Parts [A]			
1001	Xtal 24.576MHz 30pF.	2422	543 01255
1004	Connector 10P f.	2422	025 15773
1005	45P Female	2422	025 18249
1302	UR1336/A F S H-3	3139	147 19711
1302	UR1336/A FI S H-3.	3139	147 22321
1303	Connector 3p m	2422	025 16835
1304	Connector 3p m	2422	025 16835
1328	SAW 45.75MHz M1967L.	2422	549 44377
1401	Xtal 14.32MHz 20pF	2422	543 01133
1403	Connector 20p m v 1.25	2422	025 18314
1409	Connector 9p m h	2422	025 16846
1601	45P Female	2422	025 18249
1704	Connector 4p m	2422	025 16543
1801	Connector 20p f h 0.50	2422	025 18011
1910	Connector 12p m.	2422	025 16705
2000	1uF 10V 0603	3198	017 41050
2001	220nF 10% 6.3V 0402.	2020	552 96718
2002	100uF 20% 6.3V	2020	021 91679
2003	100nF 10% 10V 0402.	2020	552 96437
2004	220nF 10% 6.3V 0402.	2020	552 96718
2005	100nF 10% 16V 0402	3198	035 71040
2006	8.2pF 50V.	3198	034 08280
2007	8.2pF 50V.	3198	034 08280
2008	470nF 10V 0603	3198	017 44740
2009	1uF 10V 0603	3198	017 41050
2010	6.8nF 10% 16V 0402	3198	035 26820
2011	220nF 10% 6.3V 0402.	2020	552 96718
2012	100uF 20% 16V.	2020	021 91557
2013	100nF 10% 16V 0402	3198	035 71040
2014	100nF 10% 16V 0402	3198	035 71040
2015	100nF 10% 16V 0402	3198	035 71040
2016	100nF 10% 16V 0402	3198	035 71040
2017	100nF 10% 16V 0402	3198	035 71040
2018	100nF 10% 16V 0402	3198	035 71040
2019	47uF 20% 16V	2020	021 91617
2020	100pF 5% 50V 0402.	2238	869 15101
2021	10nF 10% 16V 0402.	2020	552 96628
2022	220pF 5% 50V 0402.	3198	035 02210
2023	220nF 10% 6.3V 0402.	2020	552 96718
2024	100uF 20% 16V.	2020	021 91557
2025	100nF 10% 16V 0402	3198	035 71040
2026	100nF 10% 16V 0402	3198	035 71040
2027	100nF 10% 16V 0402	3198	035 71040
2028	10nF 10% 16V 0402.	2020	552 96628
2029	100nF 10% 16V 0402	3198	035 71040
2030	100nF 10% 16V 0402	3198	035 71040
2031	100nF 10% 16V 0402	3198	035 71040
2032	100nF 10% 16V 0402	3198	035 71040
2033	220nF 10% 6.3V 0402.	2020	552 96718
2034	3.3nF 2% 50V 0805.	2020	552 00002
2035	100uF 20% 16V.	4822	124 12095
2037	10uF 10% 6.3V 0805	2020	552 96637
2040	10uF 16V	2020	021 91616
2041	220nF 10% 6.3V 0402.	2020	552 96718
2042	3.3nF 2% 50V 0805.	2020	552 00002
2043	100nF 10% 16V 0402	3198	035 71040
2044	220nF 10% 6.3V 0402.	2020	552 96718
2045	10nF 10% 16V 0402.	2020	552 96628
2046	1uF 10V 0603	3198	017 41050
2047	330uF 6.3V	2020	012 93761
2048	1uF 20% 6.3V 0402.	2020	552 96834
2052	1nF 10% 50V 0402	2020	552 96618

2053	1nF 10% 50V 0402	2020	552 96618
2054	1nF 10% 50V 0402	2020	552 96618
2060	100nF 10% 16V 0402	3198	035 71040
2061	10uF 16V	2020	021 91616
2062	3.3nF 2% 50V 0805.	2020	552 00002
2063	150nF 10V 0603	3198	017 31540
2068	220nF 10% 6.3V 0402.	2020	552 96718
2071	100uF 20% 16V.	2020	021 91557
2072	220nF 10% 6.3V 0402.	2020	552 96718
2073	1nF 10% 50V 0402	2020	552 96618
2074	220nF 10% 6.3V 0402.	2020	552 96718
2076	220nF 10% 6.3V 0402.	2020	552 96718
2077	1uF 20% 6.3V 0402.	2020	552 96834
2078	100pF 5% 50V 0402.	2238	869 15101
2079	22nF 10% 16V 0402.	2020	552 96632
2082	1nF 10% 50V 0402	2020	552 96618
2083	1nF 10% 50V 0402	2020	552 96618
2084	1nF 10% 50V 0402	2020	552 96618
2085	1nF 10% 50V 0402	2020	552 96618
2086	1nF 10% 50V 0402	2020	552 96618
2087	1nF 10% 50V 0402	2020	552 96618
2089	1nF 10% 50V 0402	2020	552 96618
2099	1nF 10% 50V 0402	2020	552 96618
2302	22pF 5% 50V.	4822	122 33761
2303	22pF 5% 50V.	4822	122 33761
2307	47nF 50V 0603.	3198	024 44730
2308	2.2uF 20% 50V.	3198	030 82280
2309	470uF 20% 16V.	2020	021 91871
2311	22uF 20% 35V	3198	030 72290
2313	1nF 25V 0603	3198	016 31020
2314	100nF 20% 50V 0603	2238	586 59812
2317	1nF 25V 0603	3198	016 31020
2318	1nF 25V 0603	3198	016 31020
2321	10nF 10% 50V 0603.	5322	126 11583
2324	10nF 10% 50V 0603.	5322	126 11583
2355	2.2uF 50V.	2020	021 91601
2356	2.2uF 50V.	2020	021 91601
2357	100nF 10% 16V 0402	3198	035 71040
2358	3.3nF 5% 50V 0402.	3198	035 03320
2359	10nF 10% 16V 0402.	2020	552 96628
2370	1uF 20% 6.3V 0402.	2020	552 96834
2371	1uF 20% 6.3V 0402.	2020	552 96834
2372	1nF 10% 50V 0402	2020	552 96618
2373	1nF 10% 50V 0402	2020	552 96618
2374	100nF 10% 16V 0402	3198	035 71040
2375	10uF 16V	2020	021 91616
2376	1uF 10V 0603	3198	017 41050
2377	1uF 10V 0603	3198	017 41050
2378	220nF 10% 6.3V 0402.	2020	552 96718
2379	220nF 10% 6.3V 0402.	2020	552 96718
2380	47uF 20% 16V	2020	021 91617
2381	100nF 10% 16V 0402	3198	035 71040
2382	470uF 20% 16V.	2020	021 91871
2386	1uF 10V 0603	3198	017 41050
2387	33pF 5% 50V 0402	4822	126 14324
2388	33pF 5% 50V 0402	4822	126 14324
2392	1uF 10V 0603	3198	017 41050
2394	100nF 10% 16V 0402	3198	035 71040
2395	100nF 10% 16V 0402	3198	035 71040
2396	10uF 16V	4822	124 23002
2397	1uF 20% 6.3V 0402.	2020	552 96834
2398	1uF 20% 6.3V 0402.	2020	552 96834
2401	47uF 16V	4822	124 80151
2402	47uF 16V	4822	124 80151
2403	100nF 10% 16V 0402	3198	035 71040
2404	100nF 10% 16V 0402	3198	035 71040
2405	100nF 10% 16V 0402	3198	035 71040
2406	100nF 10% 16V 0402	3198	035 71040
2407	100nF 10% 16V 0402	3198	035 71040
2408	100nF 10% 16V 0402	3198	035 71040
2409	100nF 10% 16V 0402	3198	035 71040
2410	100nF 10% 16V 0402	3198	035 71040
2411	100nF 10% 16V 0402	3198	035 71040
2412	100nF 10% 16V 0402	3198	035 71040
2413	100nF 10% 16V 0402	3198	035 71040
2414	100nF 10% 16V 0402	3198	035 71040
2415	100nF 10% 16V 0402	3198	035 71040
2416	100nF 10% 16V 0402	3198	035 71040
2417	47uF 16V	4822	124 80151
2418	47uF 16V	4822	124 80151
2419	100nF 10% 16V 0402	3198	035 71040
2420	100nF 10% 16V 0402	3198	035 71040
2421	100nF 10% 16V 0402	3198	035 71040
2422	100nF 10% 16V 0402	3198	035 71040
2423	100nF 10% 16V 0402	3198	035 71040
2424	100nF 10% 16V 0402	3198	035 71040
2425	100nF 10% 16V 0402	3198	035 71040
2426	100nF 10% 16V 0402	3198	035 71040
2427	100nF 10% 16V 0402	3198	035 71040
2428	100nF 10% 16V 0402	3198	035 71040
2429	100nF 10% 16V 0402	3198	035 71040
2430	100nF 10% 16V 0402	3198	035 71040

S = Safety Part Be sure to use exact replacement part.

# 23PF9946/37 (continued)

2431	100nF 10% 16V 0402	3198 035 71040	2610	100nF 10% 16V 0402	3198 035 71040
2432	100nF 10% 16V 0402	3198 035 71040	2611	47µF 6.3V	4822 124 11131
2433	100nF 10% 16V 0402	3198 035 71040	2612	10nF 10% 16V 0402	2020 552 96628
2434	47µF 16V	4822 124 80151	2613	10nF 10% 16V 0402	2020 552 96628
2435	47µF 16V	4822 124 80151	2614	10nF 10% 16V 0402	2020 552 96628
2436	100nF 10% 16V 0402	3198 035 71040	2615	10nF 10% 16V 0402	2020 552 96628
2437	100nF 10% 16V 0402	3198 035 71040	2616	10nF 10% 16V 0402	2020 552 96628
2438	100nF 10% 16V 0402	3198 035 71040	2617	10nF 10% 16V 0402	2020 552 96628
2439	100nF 10% 16V 0402	3198 035 71040	2618	10nF 10% 16V 0402	2020 552 96628
2440	100nF 10% 16V 0402	3198 035 71040	2619	33pF 5% 50V 0402	4822 126 14324
2441	100nF 10% 16V 0402	3198 035 71040	2620	100nF 20% 50V 0603	2238 586 59812
2442	100nF 10% 16V 0402	3198 035 71040	2621	1µF 20% 6.3V 0402	2020 552 96834
2443	100nF 10% 16V 0402	3198 035 71040	2622	1µF 20% 6.3V 0402	2020 552 96834
2444	100nF 10% 16V 0402	3198 035 71040	2623	1µF 20% 6.3V 0402	2020 552 96834
2445	100nF 10% 16V 0402	3198 035 71040	2624	470nF 10V 0603	3198 017 44740
2446	100nF 10% 16V 0402	3198 035 71040	2625	470nF 10V 0603	3198 017 44740
2447	100nF 10% 16V 0402	3198 035 71040	2626	470nF 10V 0603	3198 017 44740
2448	100nF 10% 16V 0402	3198 035 71040	2630	1µF 20% 6.3V 0402	2020 552 96834
2449	100nF 10% 16V 0402	3198 035 71040	2631	1µF 20% 6.3V 0402	2020 552 96834
2450	100nF 10% 16V 0402	3198 035 71040	2632	1µF 20% 6.3V 0402	2020 552 96834
2451	47µF 16V	4822 124 80151	2633	1µF 20% 6.3V 0402	2020 552 96834
2452	100nF 10% 16V 0402	3198 035 71040	2634	1µF 20% 6.3V 0402	2020 552 96834
2453	100nF 10% 16V 0402	3198 035 71040	2635	1µF 20% 6.3V 0402	2020 552 96834
2454	100nF 10% 16V 0402	3198 035 71040	2636	100nF 10% 16V 0402	3198 035 71040
2455	100nF 10% 16V 0402	3198 035 71040	2638	330pF 5% 50V 0402	3198 035 03310
2456	100nF 10% 16V 0402	3198 035 71040	2639	330pF 5% 50V 0402	3198 035 03310
2457	10µF 10% 16V 1210	2020 552 96675	2702	1µF 20% 6.3V 0402	2020 552 96834
2461	100nF 10% 16V 0402	3198 035 71040	2703	10µF 16V	2020 021 91616
2462	100nF 10% 16V 0402	3198 035 71040	2707	470µF 20% 16V	2020 021 91871
2463	100nF 10% 16V 0402	3198 035 71040	2708	1µF 20% 6.3V 0402	2020 552 96834
2464	100nF 10% 16V 0402	3198 035 71040	2710	470pF 50V 0402	3198 035 04710
2465	22µF 20% 35V	5322 124 41945	2711	470pF 50V 0402	3198 035 04710
2466	100nF 10% 16V 0402	3198 035 71040	2712	1µF 20% 6.3V 0402	2020 552 96834
2467	100nF 10% 16V 0402	3198 035 71040	2713	100nF 20% 50V 0603	2238 586 59812
2468	100nF 10% 16V 0402	3198 035 71040	2714	470µF 20% 16V	2020 021 91871
2469	100nF 10% 16V 0402	3198 035 71040	2715	470µF 20% 16V	2020 021 91871
2470	22µF 20% 35V	5322 124 41945	2718	1µF 20% 6.3V 0402	2020 552 96834
2471	100nF 10% 16V 0402	3198 035 71040	2719	100nF 20% 50V 0603	2238 586 59812
2472	100nF 10% 16V 0402	3198 035 71040	2735	1nF 10% 50V 0402	2020 552 96618
2473	100nF 10% 16V 0402	3198 035 71040	2736	1nF 10% 50V 0402	2020 552 96618
2474	100nF 10% 16V 0402	3198 035 71040	2737	1nF 10% 50V 0402	2020 552 96618
2475	100nF 10% 16V 0402	3198 035 71040	2738	1nF 10% 50V 0402	2020 552 96618
2476	100nF 10% 16V 0402	3198 035 71040	2739	470pF 50V 0402	3198 035 04710
2477	100nF 10% 16V 0402	3198 035 71040	2740	470pF 50V 0402	3198 035 04710
2478	22µF 20% 35V	5322 124 41945	2741	470pF 50V 0402	3198 035 04710
2479	100nF 10% 16V 0402	3198 035 71040	2742	470pF 50V 0402	3198 035 04710
2480	100nF 10% 16V 0402	3198 035 71040	2743	1µF 20% 6.3V 0402	2020 552 96834
2481	100nF 10% 16V 0402	3198 035 71040	2744	1µF 20% 6.3V 0402	2020 552 96834
2482	22µF 20% 35V	5322 124 41945	2745	100µF 20% 16V	2020 021 91557
2483	100nF 10% 16V 0402	3198 035 71040	2746	1µF 10V 0603	3198 017 41050
2484	100nF 10% 16V 0402	3198 035 71040	2803	22µF 6.3V	4822 124 23237
2485	100nF 10% 16V 0402	3198 035 71040	2804	1µF 10V 0603	3198 017 41050
2486	100nF 10% 16V 0402	3198 035 71040	2805	1µF 10V 0603	3198 017 41050
2487	22pF 5% 50V 0402	4822 126 14519	2806	22µF 6.3V	4822 124 23237
2488	22pF 5% 50V 0402	4822 126 14519	2807	100nF 10% 16V 0402	3198 035 71040
2490	100nF 20% 50V 0603	2238 586 59812	2808	100nF 10% 16V 0402	3198 035 71040
2491	100nF 20% 50V 0603	2238 586 59812	2809	10µF 16V	4822 124 23002
2492	100nF 20% 50V 0603	2238 586 59812	2810	22µF 6.3V	4822 124 23237
2495	47µF 16V	4822 124 80151	2811	1nF 10% 50V 0402	2020 552 96618
2496	100nF 10% 16V 0402	3198 035 71040	2812	100nF 10% 16V 0402	3198 035 71040
2501	47µF 16V	4822 124 80151	2813	10µF 10% 16V 1210	2020 552 96675
2502	47µF 6.3V	4822 124 11131	2814	100nF 10% 16V 0402	3198 035 71040
2503	100nF 10% 16V 0402	3198 035 71040	2815	1nF 10% 50V 0402	2020 552 96618
2504	100nF 10% 16V 0402	3198 035 71040	2816	100nF 10% 16V 0402	3198 035 71040
2505	100nF 10% 16V 0402	3198 035 71040	2817	1nF 10% 50V 0402	2020 552 96618
2506	100nF 10% 16V 0402	3198 035 71040	2818	10µF 10% 16V 1210	2020 552 96675
2507	100nF 10% 16V 0402	3198 035 71040	2819	100nF 10% 16V 0402	3198 035 71040
2508	100nF 10% 16V 0402	3198 035 71040	2820	1nF 10% 50V 0402	2020 552 96618
2509	100nF 10% 16V 0402	3198 035 71040	2821	1nF 10% 50V 0402	2020 552 96618
2510	100nF 10% 16V 0402	3198 035 71040	2822	1nF 10% 50V 0402	2020 552 96618
2511	100nF 10% 16V 0402	3198 035 71040	2823	1nF 10% 50V 0402	2020 552 96618
2512	100nF 10% 16V 0402	3198 035 71040	2824	100nF 10% 16V 0402	3198 035 71040
2513	100nF 10% 16V 0402	3198 035 71040	2825	1nF 10% 50V 0402	2020 552 96618
2514	100nF 10% 16V 0402	3198 035 71040	2826	1nF 10% 50V 0402	2020 552 96618
2515	100nF 10% 16V 0402	3198 035 71040	2827	1nF 10% 50V 0402	2020 552 96618
2516	100nF 10% 16V 0402	3198 035 71040	2828	1nF 10% 50V 0402	2020 552 96618
2517	100nF 10% 16V 0402	3198 035 71040	2829	1nF 10% 50V 0402	2020 552 96618
2530	10µF 16V	4822 124 23002	2830	1nF 10% 50V 0402	2020 552 96618
2531	100nF 10% 16V 0402	3198 035 71040	2832	1nF 10% 50V 0402	2020 552 96618
2532	100nF 10% 16V 0402	3198 035 71040	2833	47µF 6.3V	4822 124 11131
2533	100nF 10% 16V 0402	3198 035 71040	2834	47µF 6.3V	4822 124 11131
2560	100nF 10% 16V 0402	3198 035 71040	2835	100nF 10% 16V 0402	3198 035 71040
2561	100µF 20% 16V	4822 124 12095	2836	100nF 10% 16V 0402	3198 035 71040
2562	100nF 10% 16V 0402	3198 035 71040	2837	10µF 10% 16V 1210	2020 552 96675
2563	4.7nF 5% 25V 0402	3198 035 14720	2838	10nF 16V 0402	3198 035 71030
2564	10µF 20% 25V 1210	2020 552 96656	2839	47nF 5% 16V 0402	3198 035 74730
2601	100nF 10% 16V 0402	3198 035 71040	2840	10µF 10% 16V 1210	2020 552 96675
2605	100nF 10% 16V 0402	3198 035 71040	2841	1µF 10V 0603	3198 017 41050
2606	100nF 10% 16V 0402	3198 035 71040	2842	1µF 10V 0603	3198 017 41050
2607	100nF 10% 16V 0402	3198 035 71040	2843	47µF 6.3V	4822 124 11131
2608	100nF 10% 16V 0402	3198 035 71040	2844	100nF 10% 16V 0402	3198 035 71040
2609	100nF 10% 16V 0402	3198 035 71040	2845	10nF 16V 0402	3198 035 71030

S = Safety Part Be sure to use exact replacement part.



## 23PF9946/37 (continued)

2846	10nF 16V 0402 . . . . .	3198	035	71030	3063	1k ohms 5% 0402 . . . . .	4822	117	13548
2847	1µF 10V 0603 . . . . .	3198	017	41050	3064	100 ohms 1% 0402 . . . . .	4822	117	13545
2848	1µF 10V 0603 . . . . .	3198	017	41050	3065	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2849	10nF 10% 16V 0402 . . . . .	2020	552	96628	3066	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2860	18pF 5% 50V 0402 . . . . .	2238	869	15189	3067	100 ohms 1% 0402 . . . . .	4822	117	13545
2861	18pF 5% 50V 0402 . . . . .	2238	869	15189	3068	1k ohms 5% 0402 . . . . .	4822	117	13548
2862	18pF 5% 50V 0402 . . . . .	2238	869	15189	3069	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
2863	18pF 5% 50V 0402 . . . . .	2238	869	15189	3070	100 ohms 1% 0402 . . . . .	4822	117	13545
2864	18pF 5% 50V 0402 . . . . .	2238	869	15189	3071	100 ohms 1% 0402 . . . . .	4822	117	13545
2865	18pF 5% 50V 0402 . . . . .	2238	869	15189	3073	15k ohms 5% 0.01W 0402 . . . . .	3198	031	01530
2866	18pF 5% 50V 0402 . . . . .	2238	869	15189	3074	100k ohms 5% 0.1W . . . . .	4822	117	11297
2867	18pF 5% 50V 0402 . . . . .	2238	869	15189	3075	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2868	18pF 5% 50V 0402 . . . . .	2238	869	15189	3076	680 ohms 5% 0.01W 0402 . . . . .	3198	031	06810
2869	18pF 5% 50V 0402 . . . . .	2238	869	15189	3077	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2909	330µF10V . . . . .	2020	021	90913	3078	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2910	470pF 50V 0402 . . . . .	3198	035	04710	3079	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2911	22µF 20% 35V . . . . .	2022	031	00308	3080	1k ohms 1% . . . . .	2322	704	61002
2920	47µF 16V . . . . .	4822	124	80151	3081	100 ohms 1% 0402 . . . . .	4822	117	13545
2921	47µF 16V . . . . .	4822	124	80151	3082	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2930	470µF 20% 16V . . . . .	2020	021	91871	3083	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2931	470pF 50V 0402 . . . . .	3198	035	04710	3084	100 ohms 1% 0402 . . . . .	4822	117	13545
2933	470µF 20% 16V . . . . .	2020	021	91871	3085	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2934	4.7nF 10% 50V 0402 . . . . .	2020	552	96793	3086	2.2k ohms 5% 0.01W 0402 . . . . .	4822	117	13602
2935	470µF 20% 16V . . . . .	2020	021	91871	3087	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
2937	1nF 10% 50V 0402 . . . . .	2020	552	96618	3088	3.3k ohms 5% 0402 . . . . .	3198	031	03320
2938	1nF 10% 50V 0402 . . . . .	2020	552	96618	3089	150k ohms 5% 0402 . . . . .	3198	031	01540
2939	1nF 10% 50V 0402 . . . . .	2020	552	96618	3091	100 ohms 1% 0402 . . . . .	4822	117	13545
2940	1nF 10% 50V 0402 . . . . .	2020	552	96618	3092	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2941	1nF 10% 50V 0402 . . . . .	2020	552	96618	3093	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2942	1nF 10% 50V 0402 . . . . .	2020	552	96618	3094	10 ohms 5% 0.01W 0402 . . . . .	3198	031	01090
2953	470µF 20% 16V . . . . .	2020	021	91871	3096	3.3k ohms 5% 0402 . . . . .	3198	031	03320
2955	4.7nF 5% 25V 0402 . . . . .	3198	035	14720	3097	4.7k ohms 5% 0402 . . . . .	3198	031	04720
2956	220pF 5% 50V 0402 . . . . .	3198	035	02210	3302	100 ohms 5% 0.062W . . . . .	4822	051	30101
2957	470µF 20% 16V . . . . .	2020	021	91871	3303	100 ohms 5% 0.062W . . . . .	4822	051	30101
2958	470µF 20% 16V . . . . .	2020	021	91871	3304	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
2959	100nF 10% 16V 0402 . . . . .	3198	035	71040	3305	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
2960	47µF 16V . . . . .	4822	124	80151	3309	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
2961	10nF 16V 0402 . . . . .	3198	035	71030	3314	100k ohms 1% 0603 0.62W . . . . .	4822	117	13632
2962	100nF 10% 16V 0402 . . . . .	3198	035	71040	3315	150k ohms 5% 0.062W . . . . .	4822	051	30154
2964	1nF 10% 50V 0402 . . . . .	2020	552	96618	3316	820 ohms 5% 0.62W . . . . .	4822	117	12968
2965	1nF 10% 50V 0402 . . . . .	2020	552	96618	3317	560 ohms 5% 0.062W . . . . .	4822	051	30561
2966	1nF 10% 50V 0402 . . . . .	2020	552	96618	3319	27k ohms 5% 0.062W . . . . .	4822	051	30273
2968	1nF 10% 50V 0402 . . . . .	2020	552	96618	3320	18k ohms 5% 0.062W . . . . .	4822	051	30183
2969	1nF 10% 50V 0402 . . . . .	2020	552	96618	3321	2.2k ohms 5% 0.062W . . . . .	4822	051	30222
2970	1nF 10% 50V 0402 . . . . .	2020	552	96618	3322	6.8 ohms 5% 0.062W . . . . .	4822	051	30682
2992	100nF 10% 16V 0402 . . . . .	3198	035	71040	3323	2.2k ohms 5% 0.062W . . . . .	4822	051	30222
2993	1nF 10% 50V 0402 . . . . .	2020	552	96618	3327	1k ohms 5% 0402 . . . . .	4822	117	13548
2994	470µF 20% 16V . . . . .	2020	021	91871	3328	100 ohms 1% 0402 . . . . .	4822	117	13545
2995	100nF 10% 16V 0402 . . . . .	3198	035	71040	3329	100 ohms 1% 0402 . . . . .	4822	117	13545
2996	47µF 16V . . . . .	4822	124	80151	3357	1k ohms 5% 0402 . . . . .	4822	117	13548
3000	4.7k ohms 5% 0402 . . . . .	3198	031	04720	3358	100 ohms 1% 0402 . . . . .	4822	117	13545
3001	3.9 ohms 5% 0603 . . . . .	2322	702	70398	3359	390 ohms 1% 0402 . . . . .	3198	031	03910
3002	22k ohms 5% 0402 . . . . .	4822	117	13601	3370	680 ohms 5% 0.01W 0402 . . . . .	3198	031	06810
3003	3.9 ohms 5% 0603 . . . . .	2322	702	70398	3371	100 ohms 1% 0402 . . . . .	4822	117	13545
3004	22k ohms 5% 0402 . . . . .	4822	117	13601	3372	100 ohms 1% 0402 . . . . .	4822	117	13545
3006	100 ohms 1% 0402 . . . . .	4822	117	13545	3374	10 ohms 5% . . . . .	5322	117	11726
3007	4.7k ohms 5% 0402 . . . . .	3198	031	04720	3378	100 ohms 1% 0402 . . . . .	4822	117	13545
3008	47 ohms 5% 0402 . . . . .	3198	031	04730	3380	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3009	100k ohms 5% 0.1W . . . . .	4822	117	11297	3381	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3010	1k ohms 5% 0402 . . . . .	4822	117	13548	3382	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3013	100 ohms 1% 0402 . . . . .	4822	117	13545	3383	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3014	Jumper 0402 . . . . .	4822	117	13605	3386	100 ohms 1% 0402 . . . . .	4822	117	13545
3015	Jumper 0402 . . . . .	4822	117	13605	3389	100 ohms 1% 0402 . . . . .	4822	117	13545
3016	100 ohms 1% 0402 . . . . .	4822	117	13545	3390	100 ohms 1% 0402 . . . . .	4822	117	13545
3017	Jumper 0402 . . . . .	4822	117	13605	3391	100 ohms 1% 0402 . . . . .	4822	117	13545
3019	100 ohms 1% 0402 . . . . .	4822	117	13545	3392	100 ohms 1% 0402 . . . . .	4822	117	13545
3020	1k ohms 5% 0402 . . . . .	4822	117	13548	3393	100 ohms 1% 0402 . . . . .	4822	117	13545
3021	2.7k ohms 1% 0402 . . . . .	2322	706	72702	3394	75 ohms 5% 0402 . . . . .	3198	031	07590
3022	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606	3401	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3023	5.6k ohms 5% 0.01W 0402 . . . . .	3198	031	05620	3402	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3024	4.7k ohms 5% 0402 . . . . .	3198	031	04720	3403	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3025	56k ohms 1% 0402 . . . . .	2322	706	75603	3404	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3026	15k ohms 5% 0.01W 0402 . . . . .	3198	031	01530	3405	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3027	4.7k ohms 5% 0402 . . . . .	3198	031	04720	3406	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3028	100k ohms 5% 0.1W . . . . .	4822	117	11297	3407	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3029	1k ohms 5% 0402 . . . . .	4822	117	13548	3408	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3030	100k ohms 5% 0.1W . . . . .	4822	117	11297	3409	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3032	220k ohms 5% 0.1W 0402 . . . . .	3198	031	02240	3410	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3035	100 ohms 1% 0402 . . . . .	4822	117	13545	3411	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3037	82k ohms 5% 0402 . . . . .	3198	031	08230	3412	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3048	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606	3413	4X 33 ohms 5% 1206 . . . . .	3198	031	13390
3049	100 ohms 1% 0402 . . . . .	4822	117	13545	3414	33 ohms 1% 0402 . . . . .	3198	031	03390
3050	100 ohms 1% 0402 . . . . .	4822	117	13545	3422	33 ohms 1% 0402 . . . . .	3198	031	03390
3051	100 ohms 1% 0402 . . . . .	4822	117	13545	3423	3.3k ohms 5% 0402 . . . . .	3198	031	03320
3052	Jumper 0402 . . . . .	4822	117	13605	3424	150 ohms 1% 0603 . . . . .	2322	704	61501
3054	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606	3425	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3057	820 ohms 0402 . . . . .	2322	706	78201	3426	3.3k ohms 5% 0402 . . . . .	3198	031	03320
3058	470 ohms 5% 0402 . . . . .	4822	117	13543	3432	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3059	1k ohms 5% 0402 . . . . .	4822	117	13548	3433	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3060	39k ohms 5% 0402 . . . . .	3198	031	03930	3434	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3061	1.8k ohms 5% 0.01W 0402 . . . . .	3198	031	01820	3436	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606
3062	Jumper 0402 . . . . .	4822	117	13605	3437	10k ohms 5% 0.01W 0402 . . . . .	4822	117	13606

S = Safety Part Be sure to use exact replacement part.

# 23PF9946/37 (continued)

3438	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3737	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3439	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3738	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3440	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3739	22k ohms 5% 0402 . . . . .	4822 117 13601
3441	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3740	22k ohms 5% 0402 . . . . .	4822 117 13601
3442	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3741	100k ohms 5% 0.1W. . . . .	4822 117 11297
3443	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3742	22k ohms 5% 0402 . . . . .	4822 117 13601
3444	47 ohms 5% 0402. . . . .	3198 031 04730	3743	22k ohms 5% 0402 . . . . .	4822 117 13601
3446	100 ohms 1% 0.063W 0603. . . . .	5322 117 13017	3744	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3447	33 ohms 1% 0402. . . . .	3198 031 03390	3745	100k ohms 5% 0.1W. . . . .	4822 117 11297
3448	10 ohms 5% 0.01W 0402. . . . .	3198 031 01090	3746	100k ohms 5% 0.1W. . . . .	4822 117 11297
3450	47 ohms 5% 0402. . . . .	3198 031 04730	3747	100k ohms 5% 0.1W. . . . .	4822 117 11297
3451	4.7k ohms 5% 0402. . . . .	3198 031 04720	3748	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3452	4.7k ohms 5% 0402. . . . .	3198 031 04720	3749	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3501	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3750	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3502	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3751	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3503	150 ohms 1% 0603 . . . . .	2322 704 61501	3801	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3531	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3802	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3532	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3803	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3534	1k ohms 5% 0402. . . . .	4822 117 13548	3804	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3536	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3805	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3538	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3806	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3539	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3807	33 ohms 1% 0402. . . . .	3198 031 03390
3540	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3808	4.7k ohms 5% 0402. . . . .	3198 031 04720
3544	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3809	4.7k ohms 5% 0402. . . . .	3198 031 04720
3545	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3810	4.7k ohms 5% 0402. . . . .	3198 031 04720
3546	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3813	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3547	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3815	100 ohms 1% 0402 . . . . .	4822 117 13545
3548	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3816	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3551	Jumper 0603. . . . .	4822 051 30008	3817	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3552	Jumper 0603. . . . .	4822 051 30008	3819	100 ohms 1% 0402 . . . . .	4822 117 13545
3560	100k ohms 5% 0.1W. . . . .	4822 117 11297	3821	33 ohms 1% 0402. . . . .	3198 031 03390
3561	100k ohms 5% 0.1W. . . . .	4822 117 11297	3822	4.7k ohms 5% 0402. . . . .	3198 031 04720
3562	100k ohms 5% 0.1W. . . . .	4822 117 11297	3823	4.7k ohms 5% 0402. . . . .	3198 031 04720
3563	1k ohms 5% 0402. . . . .	4822 117 13548	3824	100 ohms 1% 0402 . . . . .	4822 117 13545
3564	1k ohms 5% 0402. . . . .	4822 117 13548	3825	100 ohms 1% 0402 . . . . .	4822 117 13545
3565	1.2k ohms 5% 0.01W 0402. . . . .	3198 031 01220	3826	1 ohms 5% 0.062W . . . . .	4822 117 12917
3566	1k ohms 5% 0402. . . . .	4822 117 13548	3827	1 ohms 5% 0.062W . . . . .	4822 117 12917
3605	100 ohms 1% 0402 . . . . .	4822 117 13545	3829	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3606	100 ohms 1% 0402 . . . . .	4822 117 13545	3830	33 ohms 1% 0402. . . . .	3198 031 03390
3607	100 ohms 1% 0402 . . . . .	4822 117 13545	3831	3.9k ohms 5% 0402. . . . .	3198 031 03920
3608	100 ohms 1% 0402 . . . . .	4822 117 13545	3833	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3609	100 ohms 1% 0402 . . . . .	4822 117 13545	3834	100 ohms 1% 0402 . . . . .	4822 117 13545
3610	22k ohms 5% 0402 . . . . .	4822 117 13601	3835	390 ohms 1% 0402 . . . . .	3198 031 03910
3612	470 ohms 5% 0402 . . . . .	4822 117 13543	3836	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3613	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3837	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3614	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3838	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3615	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3839	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3616	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3910	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602
3617	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3911	1k ohms 5% 0402. . . . .	4822 117 13548
3618	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3930	1 ohms 5% 0.062W . . . . .	4822 117 12917
3619	820 ohms 5% 0.5W . . . . .	3198 031 08210	3931	1 ohms 5% 0.062W . . . . .	4822 117 12917
3620	100k ohms 1% 0603 0.62W. . . . .	4822 117 13632	3932	1k ohms 1% . . . . .	2322 704 61002
3621	100k ohms 5% 0.1W. . . . .	4822 117 11297	3933	3.3k ohms 1% 0603. . . . .	2322 704 63302
3622	100k ohms 5% 0.1W. . . . .	4822 117 11297	3951	1 ohms 5% 0.062W . . . . .	4822 117 12917
3623	100k ohms 5% 0.1W. . . . .	4822 117 11297	3952	1 ohms 5% 0.062W . . . . .	4822 117 12917
3624	100k ohms 5% 0.1W. . . . .	4822 117 11297	3953	1k ohms 1% . . . . .	2322 704 61002
3625	100k ohms 5% 0.1W. . . . .	4822 117 11297	3954	3.3k ohms 1% 0603. . . . .	2322 704 63302
3626	100k ohms 5% 0.1W. . . . .	4822 117 11297	3955	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3633	100 ohms 1% 0402 . . . . .	4822 117 13545	3958	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
3634	100 ohms 1% 0402 . . . . .	4822 117 13545	4002	Jumper 0402. . . . .	4822 117 13605
3635	100 ohms 1% 0402 . . . . .	4822 117 13545	4004	Jumper 0402. . . . .	4822 117 13605
3640	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602	4005	Jumper 0402. . . . .	4822 117 13605
3641	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4006	Jumper 0402. . . . .	4822 117 13605
3642	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4007	Jumper 0402. . . . .	4822 117 13605
3643	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4008	Jumper 0402. . . . .	4822 117 13605
3644	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4010	Jumper 0402. . . . .	4822 117 13605
3645	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4011	Jumper 0402. . . . .	4822 117 13605
3646	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4012	Jumper 0402. . . . .	4822 117 13605
3703	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4313	Jumper 0603. . . . .	4822 051 30008
3706	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4318	Jumper 0603. . . . .	4822 051 30008
3711	39 ohms 5% 0402. . . . .	2322 705 70399	4327	Jumper 0603. . . . .	4822 051 30008
3711	Jumper 0402. . . . .	4822 117 13605	4331	Jumper 0603. . . . .	4822 051 30008
3712	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4340	Jumper 0603. . . . .	4822 051 30008
3714	12k ohms 5% 0402 . . . . .	3198 031 01230	4360	Jumper 0402. . . . .	4822 117 13605
3714	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4361	Jumper 0402. . . . .	4822 117 13605
3715	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4362	Jumper 0402. . . . .	4822 117 13605
3717	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4363	Jumper 0402. . . . .	4822 117 13605
3718	39 ohms 5% 0402. . . . .	2322 705 70399	4428	Jumper 0603. . . . .	4822 051 30008
3718	Jumper 0402. . . . .	4822 117 13605	4445	Jumper 0603. . . . .	4822 051 30008
3719	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4601	Jumper 0402. . . . .	4822 117 13605
3722	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4602	Jumper 0402. . . . .	4822 117 13605
3725	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4603	Jumper 0402. . . . .	4822 117 13605
3726	12k ohms 5% 0402 . . . . .	3198 031 01230	4608	Jumper 0402. . . . .	4822 117 13605
3726	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4636	Jumper 0402. . . . .	4822 117 13605
3727	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4708	Jumper 0402. . . . .	4822 117 13605
3730	6.8k ohms 5% 0.01W 0402. . . . .	3198 031 06820	5001	1000µF 20% 7032. . . . .	2422 536 00667
3730	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	5002	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3731	470 ohms 5% 0402 . . . . .	4822 117 13543	5003	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3732	1k ohms 5% 0402. . . . .	4822 117 13548	5004	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3733	470 ohms 5% 0402 . . . . .	4822 117 13543	5005	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3735	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5006	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3736	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5007	Bead 30 ohms at 100MHz . . . . .	4822 157 11716

S = Safety Part Be sure to use exact replacement part.

## 23PF9946/37 (continued)

5008	Bead 30 ohms at 100MHz	4822	157	11716	7531	M24C32-WMN6TNKSA	9322	156	81668
5060	Bead 30 ohms at 100MHz	4822	157	11716	7532	NE56610-27GW	9352	691	71115
5070	Bead 30 ohms at 100MHz	4822	157	11716	7560	TD9178T/N1	9352	334	10118
5071	Bead 120 ohms 100MHz	2422	549	42896	7562	L7808CD2T	9322	199	24668
5072	Bead 120 ohms 100MHz	2422	549	42896	7563	PMBT2369	4822	209	73852
5304	Bead 60 ohms at 100MHz	4822	157	11499	7604	74LVC14APW	9352	607	39118
5309	12uH 10%	3198	018	31290	7605	74HC4053D	4822	209	60792
5321	0.39uF 10% 0805	3198	018	33970	7606	ADG781BCP	9322	199	56668
5324	0.68uH	4822	157	71334	7607	SMS301BS-G	9322	199	80668
5370	Bead 30 ohms at 100MHz	4822	157	11716	7640	PDTCT114ET	4822	130	11155
5371	Bead 30 ohms at 100MHz	4822	157	11716	7702	BC847BS	9340	425	20115
5372	Bead 220 ohms at 100MHz	2422	549	44197	7703	BC847BS	9340	425	20115
5530	Bead 120 ohms 100MHz	2422	549	45333	7706	74HC08PW	9351	742	70118
5560	Bead 30 ohms at 100MHz	4822	157	11716	7708	PUMH7	9340	550	49115
5605	Bead 120 ohms 100MHz	2422	549	45333	7709	TDA7297D	9322	206	09668
5607	Bead 120 ohms 100MHz	2422	549	45333	7710	BC847BW	3198	010	42313
5636	Bead 120 ohms 100MHz	2422	549	45333	7740	TS482ID	9322	183	05668
5646	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01432
5801	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01442
5802	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01452
5803	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01561
5804	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01581
5805	Bead 120 ohms 100MHz	2422	549	42896	7806	BSN20	9965	000	04199
5909	100 Mhz 0603	2422	549	45843	7807	BSN20	9965	000	04199
5910	1000uF 20% 7032	2422	536	00667	7808	SI19993CTG100	9322	199	35671
5920	Bead 120 ohms 100MHz	2422	549	45333	7809	UDAL334BT/N2	9352	703	94118
5930	10uH 20% 0805	2422	535	94134	7810	HEF4053BT	5322	209	14481
5931	220uF 20%	2422	536	00689	7910	BC817-25	4822	130	42804
5932	10uH 20% 0805	2422	535	94134	7920	L78M08CDT	9322	163	24668
5952	10uH 20% 0805	2422	535	94134	7930	MC34063AD	5322	209	90529
5953	220uF 20%	2422	536	00689	7952	MC34063AD	5322	209	90529
5954	10uH 20% 0805	2422	535	94134	7953	L4940D2T12	9322	199	25668
5956	Bead 120 ohms 100MHz	2422	549	45333	7954	SI12301DS	9322	157	51685
5958	Bead 120 ohms 100MHz	2422	549	45333	7955	PDTCT114ET	4822	130	11155
5959	Bead 120 ohms 100MHz	2422	549	45333	7992	LF25CDT	9322	142	88668
5984	Bead 120 ohms 100MHz	2422	549	45333	7995	LD1086D2T18	9322	189	19668
5985	Bead 120 ohms 100MHz	2422	549	45333	8002	Cable 20p/150/20p	3139	131	04261
5986	Bead 120 ohms 100MHz	2422	549	45333					
5987	Bead 120 ohms 100MHz	2422	549	45333					
5988	Bead 120 ohms 100MHz	2422	549	45333					
5989	Bead 120 ohms 100MHz	2422	549	45333	1021	3D Comb Filter Parts [CB]			
5990	Bead 120 ohms 100MHz	2422	549	45333	1801	3D Comb filter	3139	188	53051
5991	Bead 120 ohms 100MHz	2422	549	45333	1883	Connector 10P f.	2422	025	15773
5994	Bead 120 ohms 100MHz	2422	549	45333	2800	Xtal 20MHz	2422	543	01288
5996	Bead 120 ohms 100MHz	2422	549	45333	2801	22pF 5% 50V	4822	122	33761
5997	Bead 120 ohms 100MHz	2422	549	45333	2802	22pF 5% 50V	4822	122	33761
5998	Bead 120 ohms 100MHz	2422	549	45333	2802	47uF 16V	4822	124	80151
6001	BAS316	4822	130	11397	2803	100nF 20% 50V 0603	2238	586	59812
6020	BAS316	4822	130	11397	2816	22pF 5% 50V	4822	122	33761
6021	BAS316	4822	130	11397	2817	22pF 5% 50V	4822	122	33761
6073	BAT54	4822	130	11397	2829	22pF 5% 50V	4822	122	33761
6076	BAT54	4822	130	80622	2833	100nF 20% 50V 0603	2238	586	59812
6323	1SS356	4822	130	80622	2834	47uF 16V	4822	124	80151
6328	PDZ6.8B	4822	130	11525	2835	1uF 20% 50V	4822	124	12084
6329	PDZ6.8B	4822	130	11416	2836	10uF 16V	4822	124	23002
6563	UDZ2.7B	4822	130	11416	2837	100nF 20% 50V 0603	2238	586	59812
6564	PDZ6.8B	9322	102	64685	2839	22pF 5% 50V	4822	122	33761
6604	BAS316	4822	130	11416	2840	100nF 20% 50V 0603	2238	586	59812
6634	UDZ2.7B	4822	130	11397	2841	100nF 20% 50V 0603	2238	586	59812
6635	UDZ2.7B	9322	102	64685	2842	100nF 20% 50V 0603	2238	586	59812
6640	UDZ2.7B	9322	102	64685	2843	100nF 20% 50V 0603	2238	586	59812
6910	BAV99	9322	102	64685	2844	100nF 20% 50V 0603	2238	586	59812
6911	PDZ33B	5322	130	34337	2845	100nF 20% 50V 0603	2238	586	59812
6930	SMSS14	9340	548	71115	2846	100nF 20% 50V 0603	2238	586	59812
6951	SMSS14	9322	128	70685	2847	100nF 20% 50V 0603	2238	586	59812
7001	BCP69-25	9322	128	70685	2848	47uF 16V	4822	124	80151
7002	BC847BS	9339	693	90135	2849	100nF 20% 50V 0603	2238	586	59812
7003	BCP69-25	9340	425	20115	2851	2.2uF 10V 0805	4822	126	14491
7005	BSH103	9339	693	90135	2852	100uF 20% 16V	4822	124	12095
7011	TDAL5001H/N1	9340	547	13215	2853	100nF 20% 50V 0603	2238	586	59812
7012	BC847BW	9352	761	81557	2855	100nF 20% 50V 0603	2238	586	59812
7013	BC847BW	3198	010	42310	2856	47uF 16V	4822	124	80151
7014	BC847BW	3198	010	42310	2861	100nF 20% 50V 0603	2238	586	59812
7015	SM NE555D	3198	010	42310	2862	1uF +80-20% 16V 0805	4822	126	14043
7016	SM NE555D	9322	208	05668	2863	1nF 25V 0603	3198	016	31020
7017	SM NE555D	9322	208	05668	2864	22pF 5% 50V	4822	122	33761
7018	BC846B	9322	208	05668	2866	330uF 6.3V	2020	012	93761
7019	BC846B	5322	130	60159	2870	100nF 20% 50V 0603	2238	586	59812
7068	BC847BW	5322	130	60159	2871	10uF 16V	4822	124	23002
7070	BSH103	3198	010	42310	2872	10uF 16V	4822	124	23002
7099	M24C08-WMN6	9340	547	13215	2874	100nF 20% 50V 0603	2238	586	59812
7316	BFS20	4822	209	17226	2875	22pF 5% 50V	4822	122	33761
7320	BC847BW	5322	130	42718	2877	22pF 5% 50V	4822	122	33761
7370	PUMH7	3198	010	42310	2878	22pF 5% 50V	4822	122	33761
7371	PUMH7	9340	550	49115	2879	22pF 5% 50V	4822	122	33761
7372	PUMH7	9340	550	49115	2881	100nF 20% 50V 0603	2238	586	59812
7376	BC857BS	9340	550	49115	2882	100nF 20% 50V 0603	2238	586	59812
7377	BC857BS	9340	425	10115	2883	22pF 5% 50V	4822	122	33761
7401	GM1501-BD	9340	425	10115	2884	22pF 5% 50V	4822	122	33761
7449	BC847BW	9322	206	86671	2885	100nF 20% 50V 0603	2238	586	59812
7501	K4D263238F-UC50	3198	010	42310	2886	100nF 20% 50V 0603	2238	586	59812
7530	MX29LV0400C-70G	9322	205	70671	2887	100nF 20% 50V 0603	2238	586	59812
		9322	205	12671	2888	100nF 20% 50V 0603	2238	586	59812

S = Safety Part      Be sure to use exact replacement part.

## 23PF9946/37 (continued)

2889	10µF 16V . . . . .	4822	124	23002	5889	Bead 120 ohms at 100MHz. . . . .	4822	157	11506
2890	100nF 20% 50V 0603 . . . . .	2238	586	59812	5890	10µH 5% 1210 . . . . .	4822	157	71314
2891	10µF 16V . . . . .	4822	124	23002	5891	15µF 5% 1008 . . . . .	3198	018	61590
2892	10nF 10% 50V 0603. . . . .	5322	126	11583	6875	1P576SB10. . . . .	4822	130	11528
2893	150pF 10% 50V 0603 . . . . .	3198	016	31510	6876	BA517. . . . .	4822	130	81289
2894	150pF 10% 50V 0603 . . . . .	3198	016	31510	7800	BC847BW. . . . .	3198	010	42310
2895	10nF 10% 50V 0603. . . . .	5322	126	11583	7801	BC857BW. . . . .	3198	010	42320
2896	10µF 16V . . . . .	4822	124	23002	7802	BF570. . . . .	4822	130	62755
2897	150pF 10% 50V 0603 . . . . .	3198	016	31510	7803	BC857BW. . . . .	3198	010	42320
3801	33 ohms 5% 0.062W. . . . .	4822	051	30339	7807	BC857BW. . . . .	3198	010	42320
3802	Jumper 0603. . . . .	4822	051	30008	7808	BC847BW. . . . .	3198	010	42310
3803	1k ohms 5% 0.062W. . . . .	4822	051	30102	7809	BC847BW. . . . .	3198	010	42310
3804	47 ohms 5% 0.062W. . . . .	4822	051	30479	7812	BF550. . . . .	4822	130	42131
3805	100 ohms 5% 0.062W. . . . .	4822	051	30101	7816	BC847BW. . . . .	3198	010	42310
3806	120 ohms 5% 0.062W. . . . .	4822	051	30121	7817	BC857BW. . . . .	3198	010	42320
3807	120 ohms 5% 0.062W. . . . .	4822	051	30121	7818	BF570. . . . .	4822	130	62755
3808	120 ohms 5% 0.062W. . . . .	4822	051	30121	7823	UPD64083GF . . . . .	9322	170	65671
3809	330 ohms 5% 0.062W. . . . .	4822	051	30331	7837	BC857BW. . . . .	3198	010	42320
3810	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	7851	LF25CDT. . . . .	9322	142	88668
3811	560 ohms 5% 0.062W. . . . .	4822	051	30561	7860	BC847BW. . . . .	3198	010	42310
3812	10 ohms 5% 0.062W. . . . .	4822	051	30109	7861	BC857BW. . . . .	3198	010	42320
3813	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	7862	BC847BW. . . . .	3198	010	42310
3814	10 ohms 5% 0.062W. . . . .	4822	051	30109	7875	LM809M3X-3.08. . . . .	9322	163	48668
3815	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903	7890	BC847BW. . . . .	3198	010	42310
3816	47 ohms 5% 0.062W. . . . .	4822	051	30479	8800	Cable foil 10p/200/10p . . . . .	3139	131	04031
3817	1k ohms 5% 0.062W. . . . .	4822	051	30102	8800	Cable foil 10p/180 shielded. . . . .	3139	131	04771
3818	Jumper 0603. . . . .	4822	051	30008					
3819	47 ohms 5% 0.062W. . . . .	4822	051	30479	<b>Side I/O Parts [D]</b>				
3820	330 ohms 5% 0.062W. . . . .	4822	051	30331	Side I/O Parts [D]				
3821	180 ohms 5% 0.062W. . . . .	4822	051	30181	0229	FACTORY PLATE. . . . .	3122	120	01701
3822	120 ohms 5% 0.062W. . . . .	4822	051	30121	1301	20P Female . . . . .	2422	025	14531
3823	120 ohms 5% 0.062W. . . . .	4822	051	30121	1302	Connector 6p f . . . . .	2422	025	04854
3824	330 ohms 5% 0.062W. . . . .	4822	051	30331	1306	Connector Phone. . . . .	2422	026	05059
3825	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1307	YKF51-5359 . . . . .	4822	267	10484
3826	560 ohms 5% 0.062W. . . . .	4822	051	30561	1308	Soc phone 1P . . . . .	2422	026	05513
3827	10 ohms 5% 0.062W. . . . .	4822	051	30109	1309	Tact switch. . . . .	4822	276	13202
3828	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	1310	Tact switch. . . . .	4822	276	13202
3829	10 ohms 5% 0.062W. . . . .	4822	051	30109	1311	Tact switch. . . . .	4822	276	13202
3830	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1312	Tact switch. . . . .	4822	276	13202
3832	12k ohms 5% 0.1W . . . . .	4822	051	30123	1313	Tact switch. . . . .	4822	276	13202
3833	10 ohms 5% 0.062W. . . . .	4822	051	30109	2301	1µF 10V 0603 . . . . .	3198	017	41050
3834	47 ohms 5% 0.062W. . . . .	4822	051	30471	2302	330pF 0603 50V . . . . .	4822	126	14241
3835	47 ohms 5% 0.062W. . . . .	4822	051	30471	2303	1µF 10V 0603 . . . . .	3198	017	41050
3836	10 ohms 5% 0.062W. . . . .	4822	051	30109	2304	330pF 0603 50V . . . . .	4822	126	14241
3837	560 ohms 5% 0.062W. . . . .	4822	051	30561	2305	330pF 0603 50V . . . . .	4822	126	14241
3838	1k ohms 5% 0.062W. . . . .	4822	051	30102	2306	330pF 0603 50V . . . . .	4822	126	14241
3839	560 ohms 5% 0.062W. . . . .	4822	051	30561	2326	1µF 10V 0603 . . . . .	3198	017	41050
3841	820 ohms 5% 0.62W. . . . .	4822	117	12968	3301	330 ohms 5% 0.062W . . . . .	4822	051	30331
3842	3.3 ohms 5% 0.062W. . . . .	4822	051	30332	3302	33 ohms 5% 0.062W. . . . .	4822	051	30339
3843	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	3303	220 ohms 5% 0.062W . . . . .	4822	051	30221
3844	10 ohms 5% 0.062W. . . . .	4822	051	30109	3304	22k ohms 5% 0.062W . . . . .	4822	051	30223
3847	12k ohms 5% 0.1W . . . . .	4822	051	30123	3305	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3855	1 ohms 5% . . . . .	4822	117	11151	3306	75 ohms 5% 0.062W. . . . .	4822	051	30759
3860	47 ohms 5% 0.062W. . . . .	4822	051	30471	3307	22k ohms 5% 0.062W . . . . .	4822	051	30223
3861	4.7 ohms 5% 0.062W. . . . .	4822	051	30472	3308	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3862	27k ohms 5% 0.062W. . . . .	4822	051	30273	3316	33 ohms 5% 0.062W. . . . .	4822	051	30339
3863	1k ohms 5% 0.062W. . . . .	4822	051	30102	3318	150 ohms 5% 0.062W . . . . .	4822	051	30151
3864	220 ohms 5% 0.062W. . . . .	4822	051	30221	3319	390 ohms 5% 0.062W . . . . .	4822	051	30391
3865	2.2k ohms 5% 0.062W. . . . .	4822	051	30222	3320	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903
3866	220k ohms 1% . . . . .	4822	117	12891	3321	820 ohms 5% 0.62W. . . . .	4822	117	12968
3867	47 ohms 5% 0.062W. . . . .	4822	051	30471	3322	Jumper 0603. . . . .	4822	051	30008
3875	220 ohms 5% 0.062W. . . . .	4822	051	30221	3323	Jumper 0603. . . . .	4822	051	30008
3876	150 ohms 5% 0.062W. . . . .	4822	051	30151	3325	75 ohms 5% 0.062W. . . . .	4822	051	30759
3878	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3326	1k ohms 5% 0.062W. . . . .	4822	051	30102
3879	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3327	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632
3881	47 ohms 5% 0.062W. . . . .	4822	051	30479	3328	100 ohms 5% 0.062W . . . . .	4822	051	30101
3882	47 ohms 5% 0.062W. . . . .	4822	051	30479	3329	56k ohms 5% 0.062W . . . . .	4822	051	30563
3883	1k ohms 5% 0.062W. . . . .	4822	051	30102	4301	Jumper 0603. . . . .	4822	051	30008
3884	220 ohms 5% 0.062W. . . . .	4822	051	30221	4304	Jumper 0603. . . . .	4822	051	30008
3890	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	4305	Jumper 0603. . . . .	4822	051	30008
3891	10 ohms 5% 0.062W. . . . .	4822	051	30109	4311	Jumper 0603. . . . .	4822	051	30008
3892	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	4312	Jumper 0603. . . . .	4822	051	30008
3893	47 ohms 5% 0.062W. . . . .	4822	051	30471	4313	Jumper 0603. . . . .	4822	051	30008
3894	47 ohms 5% 0.062W. . . . .	4822	051	30471	4320	Jumper 0603. . . . .	4822	051	30008
3895	1k ohms 5% 0.062W. . . . .	4822	051	30102	4322	Jumper 0603. . . . .	4822	051	30008
3896	100 ohms 5% 0.062W. . . . .	4822	051	30101	4323	Jumper 0603. . . . .	4822	051	30008
5801	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4324	Jumper 0603. . . . .	4822	051	30008
5802	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4325	Jumper 0603. . . . .	4822	051	30008
5804	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4326	Jumper 0603. . . . .	4822	051	30008
5806	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4327	Jumper 0603. . . . .	4822	051	30008
5832	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4329	Jumper 0603. . . . .	4822	051	30008
5835	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4330	Jumper 0603. . . . .	4822	051	30008
5840	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4331	Jumper 0603. . . . .	4822	051	30008
5841	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4332	Jumper 0603. . . . .	4822	051	30008
5849	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4333	Jumper 0603. . . . .	4822	051	30008
5851	10µH 5% 1210 . . . . .	4822	157	71314	4334	Jumper 0603. . . . .	4822	051	30008
5852	10µH 5% 1210 . . . . .	4822	157	71314	4335	Jumper 0603. . . . .	4822	051	30008
5855	10µH 5% 1210 . . . . .	4822	157	71314	4337	Jumper 0603. . . . .	4822	051	30008
5856	10µH 5% . . . . .	2422	536	00215	6306	UD24.7B. . . . .	4822	130	11148
5860	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	7326	BC856B . . . . .	4822	130	60373
5870	10µH 5% 1210 . . . . .	4822	157	71314	8540	Cable 6P . . . . .	3139	131	03641
5888	10µH 5% . . . . .	2422	536	00215					

### Front LED Panel Parts [J]

### Front LED Panel Parts [J]

S = Safety Part Be sure to use exact replacement part.

## 23PF9946/37 (continued)

0080	Light sensor holder . . . . .	3139	120	10171	3231	22k ohms 5% 0.062W . . . . .	4822	051	30223
2540	100µF 20% 16V. . . . .	4822	124	41643	3232	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
2541	1µF 10V 0603 . . . . .	3198	017	41050	3233	22k ohms 5% 0.062W . . . . .	4822	051	30223
3540	330 ohms 5% 0.062W . . . . .	4822	051	30331	3234	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3542	220 ohms 5% 0.062W . . . . .	4822	051	30221	3235	75 ohms 5% 0.062W. . . . .	4822	051	30759
3544	3.3 ohms 5% 0.062W . . . . .	4822	051	30332	3236	75 ohms 5% 0.062W. . . . .	4822	051	30759
3547	2.2M ohms 5% 0603. . . . .	3198	021	32250	3238	390 ohms 1% 0.063W 0603. . . . .	5322	117	13062
4540	Jumper 0603. . . . .	4822	051	30008	3239	82k ohms 5% 0.6W . . . . .	4822	117	12864
4541	Jumper 0603. . . . .	4822	051	30008	3240	82k ohms 5% 0.6W . . . . .	4822	117	12864
4542	Jumper 0603. . . . .	4822	051	30008	3241	10k ohms 5% 0.062W . . . . .	4822	051	30103
6540	SPR-325MVW . . . . .	9322	192	35676	3242	1k ohms 5% 0.062W. . . . .	4822	051	30102
6541	IR receiverTSOP34836LL1B . . . . .	9322	207	16667	3681	Jumper 0603. . . . .	4822	051	30008
7540	BC856B . . . . .	4822	130	60373	3683	75 ohms 5% 0.062W. . . . .	4822	051	30759
7541	BC846B . . . . .	5322	130	60159	3684	75 ohms 5% 0.062W. . . . .	4822	051	30759
7542	BC846B . . . . .	5322	130	60159	3686	Jumper 0603. . . . .	4822	051	30008
7543	BPW34. . . . .	9322	190	34682	3687	75 ohms 5% 0.062W. . . . .	4822	051	30759

### Rear I/O Panel Parts [H]

Rear I/O Panel Parts [H]									
1103	45P Female . . . . .	2422	025	18249	3697	10k ohms 5% 0.062W . . . . .	4822	051	30103
1104	20P Female . . . . .	2422	025	14551	3698	22k ohms 5% 0.062W . . . . .	4822	051	30223
1175	Socket CINC3 3p f h RdBuGn . . . . .	2422	026	05589	3699	22k ohms 5% 0.062W . . . . .	4822	051	30223
1176	Socket phone 1P f. . . . .	2422	026	05553	3700	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1177	Socket phone 1P f. . . . .	2422	026	05553	3701	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1178	Socket SUBD 15p f v. . . . .	2422	025	18088	4175	Jumper 0603. . . . .	4822	051	30008
1178	Socket SUBD 15p f h. . . . .	2422	025	18477	4176	Jumper 0603. . . . .	4822	051	30008
1179	Socket HDMI 29P f. . . . .	2422	033	00504	4223	Jumper 0603. . . . .	4822	051	30008
1180	Socket headphone . . . . .	4822	267	31014	5681	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1182	Socket CINC3 3p f RdWhYe . . . . .	2422	026	05499	5683	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1183	Connector 4P f . . . . .	2422	026	05428	5684	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1690	Connector 20p f h 0.50 . . . . .	2422	025	18011	5687	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1698	45P Female . . . . .	2422	025	18249	6100	BAS316 . . . . .	4822	130	11397
2179	10nF 10% 50V 0603. . . . .	5322	126	11583	6695	BAS316 . . . . .	4822	130	11397
2182	330pF 0603 50V . . . . .	4822	126	14241	7193	BC857BW. . . . .	3198	010	42320
2183	1µF 10V 0603 . . . . .	3198	017	41050	7225	BC847BW. . . . .	3198	010	42310
2184	330pF 0603 50V . . . . .	4822	126	14241	7226	BC847BW. . . . .	3198	010	42310
2185	1µF 10V 0603 . . . . .	3198	017	41050	7227	BC847BW. . . . .	3198	010	42310
2190	10µF 16V . . . . .	4822	124	23002	7228	BC847BW. . . . .	3198	010	42310
2194	1µF 10V 0603 . . . . .	3198	017	41050	7229	BC847BW. . . . .	3198	010	42310
2195	220nF +80-20% 16V. . . . .	4822	126	13879	7230	BC847BW. . . . .	3198	010	42310
2196	1µF 10V 0603 . . . . .	3198	017	41050	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01511
2225	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01641
2227	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01961
2228	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01971
2231	330pF 0603 50V . . . . .	4822	126	14241	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01991
2232	1µF 10V 0603 . . . . .	3198	017	41050	8103	FFC Foil 45P . . . . .	3139	131	03511
2233	330pF 0603 50V . . . . .	4822	126	14241	8103	Cable foil 45p/060/45p . . . . .	3139	131	04721
2234	1µF 10V 0603 . . . . .	3198	017	41050	8690	Cable foil 20p/60 shielded . . . . .	3139	131	04051
2238	100nF 20% 50V 0603 . . . . .	2238	586	59812	8698	FFC Foil 45P . . . . .	3139	131	03511
2683	1µF 10V 0603 . . . . .	3198	017	41050	8698	Cable foil 45p/060/45p . . . . .	3139	131	04721
2684	1µF 10V 0603 . . . . .	3198	017	41050					
2687	1µF 10V 0603 . . . . .	3198	017	41050					
2693	100nF 20% 50V 0603 . . . . .	2238	586	59812					
2698	100pF 5% 50V . . . . .	2020	552	94427	1001	Connector 9p m . . . . .	2422	025	17192
2699	100pF 5% 50V . . . . .	2020	552	94427	1002	Connector 20p m v 1.25 . . . . .	2422	025	18314
2704	330pF 0603 50V . . . . .	4822	126	14241	1003	Connector 20p m v 1.25 . . . . .	2422	025	18314
2705	330pF 0603 50V . . . . .	4822	126	14241	1206	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3175	75 ohms 5% 0.062W. . . . .	4822	051	30759	1207	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3176	330 ohms 5% 0.062W . . . . .	4822	051	30331	1209	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3177	330 ohms 5% 0.062W . . . . .	4822	051	30331	1210	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3178	75 ohms 5% 0.062W. . . . .	4822	051	30759	1211	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3179	75 ohms 5% 0.062W. . . . .	4822	051	30759	1403	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3180	330 ohms 5% 0.062W . . . . .	4822	051	30331	1404	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3181	330 ohms 5% 0.062W . . . . .	4822	051	30331	1405	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3182	22k ohms 5% 0.062W . . . . .	4822	051	30223	1406	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3183	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	1407	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3184	22k ohms 5% 0.062W . . . . .	4822	051	30223	2101	100pF 5% 50V . . . . .	2020	552	94427
3185	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	2102	100pF 5% 50V . . . . .	2020	552	94427
3186	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2103	100pF 5% 50V . . . . .	2020	552	94427
3187	10k ohms 5% 0.062W . . . . .	4822	051	30103	2104	100pF 5% 50V . . . . .	2020	552	94427
3188	10k ohms 5% 0.062W . . . . .	4822	051	30103	2105	100nF 20% 50V 0603 . . . . .	2238	586	59812
3190	47 ohms 5% 0.062W. . . . .	4822	051	30479	2106	100pF 5% 50V . . . . .	2020	552	94427
3191	33 ohms 5% 0.062W. . . . .	4822	051	30339	2107	100nF 20% 50V 0603 . . . . .	2238	586	59812
3192	75 ohms 5% 0.062W. . . . .	4822	051	30759	2108	1µF 10% 6V3 0603 . . . . .	2022	552	05614
3193	100 ohms 5% 0.062W . . . . .	4822	051	30101	2110	1nF 25V 0603 . . . . .	3198	016	31020
3194	1k ohms 5% 0.062W. . . . .	4822	051	30102	2112	100nF 20% 50V 0603 . . . . .	2238	586	59812
3195	56k ohms 5% 0.062W . . . . .	4822	051	30563	2113	100nF 20% 50V 0603 . . . . .	2238	586	59812
3196	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	2114	2.2µF 10% 6.3V . . . . .	2022	552	05682
3197	10k ohms 5% 0.062W . . . . .	4822	051	30103	2115	100nF 20% 50V 0603 . . . . .	2238	586	59812
3198	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2116	2.2µF 10% 6.3V . . . . .	2022	552	05682
3199	27k ohms 5% 0.062W . . . . .	4822	051	30273	2121	100nF 20% 50V 0603 . . . . .	2238	586	59812
3220	330 ohms 5% 0.062W . . . . .	4822	051	30331	2122	100nF 20% 50V 0603 . . . . .	2238	586	59812
3221	330 ohms 5% 0.062W . . . . .	4822	051	30331	2123	100nF 20% 50V 0603 . . . . .	2238	586	59812
3222	75 ohms 5% 0.062W. . . . .	4822	051	30759	2124	100nF 20% 50V 0603 . . . . .	2238	586	59812
3223	75 ohms 5% 0.062W. . . . .	4822	051	30759	2130	100nF 20% 50V 0603 . . . . .	2238	586	59812
3224	33 ohms 5% 0.062W. . . . .	4822	051	30339	2131	100nF 20% 50V 0603 . . . . .	2238	586	59812
3225	10k ohms 5% 0.062W . . . . .	4822	051	30103	2132	100nF 20% 50V 0603 . . . . .	2238	586	59812
3226	10k ohms 5% 0.062W . . . . .	4822	051	30103	2133	100nF 20% 50V 0603 . . . . .	2238	586	59812
3227	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2134	100nF 20% 50V 0603 . . . . .	2238	586	59812
3228	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2135	2.2µF 10% 6.3V . . . . .	2022	552	05682
3229	10k ohms 5% 0.062W . . . . .	4822	051	30103	2136	100nF 20% 50V 0603 . . . . .	2238	586	59812
3230	10k ohms 5% 0.062W . . . . .	4822	051	30103	2139	100nF 20% 50V 0603 . . . . .	2238	586	59812

S = Safety Part Be sure to use exact replacement part.

# 23PF9946/37 (continued)

2140	100nF 20% 50V 0603	2238 586 59812	5105	Bead 30 ohms at 100MHz	4822 157 11716
2141	100nF 20% 50V 0603	2238 586 59812	5106	Bead 30 ohms at 100MHz	4822 157 11716
2142	100nF 20% 50V 0603	2238 586 59812	5107	Bead 30 ohms at 100MHz	4822 157 11716
2143	100nF 20% 50V 0603	2238 586 59812	5201	Bead 30 ohms at 100MHz	4822 157 11716
2144	100nF 20% 50V 0603	2238 586 59812	5202	Bead 30 ohms at 100MHz	4822 157 11716
2145	100nF 20% 50V 0603	2238 586 59812	5203	Bead 30 ohms at 100MHz	4822 157 11716
2146	100nF 20% 50V 0603	2238 586 59812	5401	Bead 30 ohms at 100MHz	4822 157 11716
2147	100nF 20% 50V 0603	2238 586 59812	5402	Bead 30 ohms at 100MHz	4822 157 11716
2148	100nF 20% 50V 0603	2238 586 59812	5403	Bead 30 ohms at 100MHz	4822 157 11716
2149	100nF 20% 50V 0603	2238 586 59812	7101	EP1C12F256C8	9322 200 14671
2150	100nF 20% 50V 0603	2238 586 59812	7102	Softw. (See Prod.Surv.)	3122 357 00601
2201	100nF 20% 50V 0603	2238 586 59812	7108	Xtal 14.31818MHz 15pF SMD	2722 171 08825
2202	100nF 20% 50V 0603	2238 586 59812	7110	BC847BS	9340 425 20115
2203	100nF 20% 50V 0603	2238 586 59812	7201	THC63LVDF84B	9322 210 59668
2204	100nF 20% 50V 0603	2238 586 59812	7403	THC63LVDM83R	9322 201 03668
2205	100nF 20% 50V 0603	2238 586 59812	7501	LF15ABDT	9322 170 14668
2206	1pF 25% 50V 0603	3198 016 31080	7504	SI2307DS	9322 190 77685
2207	1pF 25% 50V 0603	3198 016 31080	7505	PDTC114ET	4822 130 11155
2208	1pF 25% 50V 0603	3198 016 31080			
2209	1pF 25% 50V 0603	3198 016 31080			
2210	1pF 25% 50V 0603	3198 016 31080			
2211	1pF 25% 50V 0603	3198 016 31080			
2212	1pF 25% 50V 0603	3198 016 31080			
2213	1pF 25% 50V 0603	3198 016 31080			
2214	1pF 25% 50V 0603	3198 016 31080			
2215	1pF 25% 50V 0603	3198 016 31080			
2216	100nF 20% 50V 0603	2238 586 59812			
2401	100nF 20% 50V 0603	2238 586 59812			
2402	100nF 20% 50V 0603	2238 586 59812			
2403	100nF 20% 50V 0603	2238 586 59812			
2404	100nF 20% 50V 0603	2238 586 59812			
2405	100nF 20% 50V 0603	2238 586 59812			
2406	1pF 25% 50V 0603	3198 016 31080			
2407	1pF 25% 50V 0603	3198 016 31080			
2408	1pF 25% 50V 0603	3198 016 31080			
2409	1pF 25% 50V 0603	3198 016 31080			
2410	1pF 25% 50V 0603	3198 016 31080			
2411	1pF 25% 50V 0603	3198 016 31080			
2412	1pF 25% 50V 0603	3198 016 31080			
2413	1pF 25% 50V 0603	3198 016 31080			
2414	1pF 25% 50V 0603	3198 016 31080			
2415	1pF 25% 50V 0603	3198 016 31080			
2419	100nF 20% 50V 0603	2238 586 59812			
2502	100nF 20% 50V 0603	2238 586 59812			
2503	100µF 20% 16V	4822 124 12095			
2504	100nF 20% 50V 0603	2238 586 59812			
2505	2.2µF 10% 6.3V	2022 552 05682			
2508	22pF 5% 50V	4822 122 33761			
2509	22pF 5% 50V	4822 122 33761			
2515	100nF 20% 50V 0603	2238 586 59812			
2516	22pF 5% 50V	4822 122 33761			
2520	22pF 5% 50V	4822 122 33761			
2522	10nF 10% 50V 0603	5322 126 11583			
3101	10k ohms 5% 0.062W	4822 051 30103			
3102	47 ohms 5% 0.062W	4822 051 30479			
3103	47 ohms 5% 0.062W	4822 051 30479			
3104	10k ohms 5% 0.062W	4822 051 30103			
3105	10k ohms 5% 0.062W	4822 051 30103			
3106	10k ohms 5% 0.062W	4822 051 30103			
3107	10k ohms 5% 0.062W	4822 051 30103			
3108	10k ohms 5% 0.062W	4822 051 30103			
3109	10k ohms 5% 0.062W	4822 051 30103			
3110	47 ohms 5% 0.062W	4822 051 30479			
3111	10k ohms 5% 0.062W	4822 051 30103			
3112	10k ohms 5% 0.062W	4822 051 30103			
3113	10k ohms 5% 0.062W	4822 051 30103			
3114	47 ohms 5% 0.062W	4822 051 30479			
3115	1k ohms 5% 0.062W	4822 051 30102			
3116	33k ohms 5% 0.062W	4822 051 30333			
3117	10k ohms 5% 0.062W	4822 051 30103			
3118	33k ohms 5% 0.062W	4822 051 30333			
3122	47 ohms 5% 0.062W	4822 051 30479			
3125	47 ohms 5% 0.062W	4822 051 30479			
3202	4.7 ohms 5% 0.062W	4822 051 30472			
3204	100 ohms 5% 0.062W	4822 051 30101			
3207	100 ohms 5% 0.062W	4822 051 30101			
3210	100 ohms 5% 0.062W	4822 051 30101			
3213	100 ohms 5% 0.062W	4822 051 30101			
3216	100 ohms 5% 0.062W	4822 051 30101			
3402	47 ohms 5% 0.062W	4822 051 30479			
3403	1k ohms 5% 0.062W	4822 051 30102			
3406	4.7 ohms 5% 0.062W	4822 051 30472			
3407	100 ohms 5% 0.062W	4822 051 30101			
3421	47 ohms 5% 0.062W	4822 051 30479			
3510	4.7 ohms 5% 0.062W	4822 051 30472			
3512	10k ohms 5% 0.062W	4822 051 30103			
3513	1k ohms 5% 0.062W	4822 051 30102			
3515	4.7 ohms 5% 0.062W	4822 051 30472			
3519	4.7 ohms 5% 0.062W	4822 051 30472			
3520	4.7 ohms 5% 0.062W	4822 051 30472			
5101	Bead 30 ohms at 100MHz	4822 157 11716			
5104	Bead 30 ohms at 100MHz	4822 157 11716			

S = Safety Part Be sure to use exact replacement part.

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## Set Level Parts

Set Level Parts			
REMOTE	Remote Transmitter, RCAE049_FRP. . .	3128 147 15921	
S 1001	AC Line Cord . . . . .	2422 070 98208	
1002	FM Antenna Wire. . . . .	3139 131 02781	
1116	Side I/O panel . . . . .	3139 188 54481	
1121	3D Comb-fiter panel 23'. . . . .	3139 188 53061	
1121	3D Comb-fiter panel 26'. . . . .	3139 188 68791	
1126	Rear I/O panel 17'. . . . .	3139 188 52981	
1126	Rear I/O panel 26'. . . . .	3139 188 80961	
1126	Rear I/O panel 23'. . . . .	3139 188 80981	
1129	ASSY LC04 LCPI (EPLD). . . . .	3139 188 81401	
1150	TV & Scaler board 17'. . . . .	3139 188 56751	
1150	TV & Scaler board 23'. . . . .	3139 188 80511	
1150	TV & Scaler board 26'. . . . .	3139 188 80541	
S 1188	Power supply 17'. . . . .	3122 137 23041	
S 1188	Power supply 23'. . . . .	3122 137 23071	
S 1188	Power supply 26'. . . . .	3122 137 23081	
8190	Cable VGA 1.5m CINCH RdGnBu. . . . .	2422 076 00584	
8192	Cable coax 1.5m. . . . .	2422 076 00604	
8194	Cable 1.5M . . . . .	2422 076 00585	
8301	Cable foil 20p/75/20p. . . . .	3139 131 03972	
8301	Cable foil 20p/150/20p. . . . .	3139 131 04011	
8301	Cable foil 20p/150 1.25. . . . .	3139 131 04691	
8301	Cable foil 20p/130 1.25. . . . .	3139 131 04701	
8403	Cable 20P. . . . .	3139 131 03581	
8403	Cable 20p/280/20p. . . . .	3139 131 04271	

## TV & Scaler Board Parts [A]

TV & Scaler Board Parts [A]			
1001	Xtal 24.576MHz 30pF. . . . .	2422 543 01255	
1004	Connector 10P f. . . . .	2422 025 15773	
1005	45P Female . . . . .	2422 025 18249	
1302	UR1336/A F S H-3 . . . . .	3139 147 19711	
1302	UR1336/A FI S H-3. . . . .	3139 147 22321	
1303	Connector 3p m . . . . .	2422 025 16835	
1304	Connector 3p m . . . . .	2422 025 16835	
1328	SAW 45.75MHz M1967L. . . . .	2422 549 44377	
1401	Xtal 14.32MHz 20pF . . . . .	2422 543 01133	
1403	Connector 20p m v 1.25 . . . . .	2422 025 18314	
1409	Connector 9p m h . . . . .	2422 025 16846	
1601	45P Female . . . . .	2422 025 18249	
1704	Connector 4p m . . . . .	2422 025 16543	
1801	Connector 20p f h 0.50 . . . . .	2422 025 18011	
1910	Connector 12p m. . . . .	2422 025 16705	
2000	1uF 10V 0603 . . . . .	3198 017 41050	
2001	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2002	100uF 20% 6.3V . . . . .	2020 021 91679	
2003	100nF 10% 10V 0402 . . . . .	2020 552 96437	
2004	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2005	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2006	8.2pF 50V. . . . .	3198 034 08280	
2007	8.2pF 50V. . . . .	3198 034 08280	
2008	470nF 10V 0603 . . . . .	3198 017 44740	
2009	1uF 10V 0603 . . . . .	3198 017 41050	
2010	6.8nF 10% 16V 0402 . . . . .	3198 035 26820	
2011	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2012	100uF 20% 16V. . . . .	2020 021 91557	
2013	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2014	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2015	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2016	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2017	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2018	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2019	47uF 20% 16V . . . . .	2020 021 91617	
2020	100pF 5% 50V 0402. . . . .	2238 869 15101	
2021	10nF 10% 16V 0402. . . . .	2020 552 96628	
2022	220pF 5% 50V 0402. . . . .	3198 035 02210	
2023	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2024	100uF 20% 16V. . . . .	2020 021 91557	
2025	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2026	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2027	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2028	10nF 10% 16V 0402. . . . .	2020 552 96628	
2029	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2030	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2031	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2032	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2033	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2034	3.3nF 2% 50V 0805. . . . .	2020 552 00002	
2035	100uF 20% 16V. . . . .	4822 124 12095	
2037	10uF 10% 6.3V 0805 . . . . .	2020 552 96637	
2040	10uF 16V . . . . .	2020 021 91616	
2041	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2042	3.3nF 2% 50V 0805. . . . .	2020 552 00002	
2043	100nF 10% 16V 0402 . . . . .	3198 035 71040	
2044	220nF 10% 6.3V 0402. . . . .	2020 552 96718	
2045	10nF 10% 16V 0402. . . . .	2020 552 96628	
2046	1uF 10V 0603 . . . . .	3198 017 41050	
2047	330uF 6.3V . . . . .	2020 012 93761	
2048	1uF 20% 6.3V 0402. . . . .	2020 552 96834	
2052	1nF 10% 50V 0402 . . . . .	2020 552 96618	

2053	1nF 10% 50V 0402 . . . . .	2020 552 96618
2054	1nF 10% 50V 0402 . . . . .	2020 552 96618
2060	100nF 10% 16V 0402 . . . . .	3198 035 71040
2061	10uF 16V . . . . .	2020 021 91616
2062	3.3nF 2% 50V 0805. . . . .	2020 552 00002
2063	150nF 10V 0603 . . . . .	3198 017 31540
2068	220nF 10% 6.3V 0402. . . . .	2020 552 96718
2071	100uF 20% 16V. . . . .	2020 021 91557
2072	220nF 10% 6.3V 0402. . . . .	2020 552 96718
2073	1nF 10% 50V 0402 . . . . .	2020 552 96618
2074	220nF 10% 6.3V 0402. . . . .	2020 552 96718
2076	220nF 10% 6.3V 0402. . . . .	2020 552 96718
2077	1uF 20% 6.3V 0402. . . . .	2020 552 96834
2078	100pF 5% 50V 0402. . . . .	2238 869 15101
2079	22nF 10% 16V 0402. . . . .	2020 552 96632
2082	1nF 10% 50V 0402 . . . . .	2020 552 96618
2083	1nF 10% 50V 0402 . . . . .	2020 552 96618
2084	1nF 10% 50V 0402 . . . . .	2020 552 96618
2085	1nF 10% 50V 0402 . . . . .	2020 552 96618
2086	1nF 10% 50V 0402 . . . . .	2020 552 96618
2087	1nF 10% 50V 0402 . . . . .	2020 552 96618
2089	1nF 10% 50V 0402 . . . . .	2020 552 96618
2099	1nF 10% 50V 0402 . . . . .	2020 552 96618
2302	22pF 5% 50V. . . . .	4822 122 33761
2303	22pF 5% 50V. . . . .	4822 122 33761
2307	47nF 50V 0603. . . . .	3198 024 44730
2308	2.2uF 20% 50V. . . . .	3198 030 82280
2309	470uF 20% 16V. . . . .	2020 021 91871
2311	22uF 20% 35V . . . . .	3198 030 72290
2313	1nF 25V 0603 . . . . .	3198 016 31020
2314	100nF 20% 50V 0603 . . . . .	2238 586 59812
2317	1nF 25V 0603 . . . . .	3198 016 31020
2318	1nF 25V 0603 . . . . .	3198 016 31020
2321	10nF 10% 50V 0603. . . . .	5322 126 11583
2324	10nF 10% 50V 0603. . . . .	5322 126 11583
2355	2.2uF 50V. . . . .	2020 021 91601
2356	2.2uF 50V. . . . .	2020 021 91601
2357	100nF 10% 16V 0402 . . . . .	3198 035 71040
2358	3.3nF 5% 50V 0402. . . . .	3198 035 03320
2359	10nF 10% 16V 0402. . . . .	2020 552 96628
2370	1uF 20% 6.3V 0402. . . . .	2020 552 96834
2371	1uF 20% 6.3V 0402. . . . .	2020 552 96834
2372	1nF 10% 50V 0402 . . . . .	2020 552 96618
2373	1nF 10% 50V 0402 . . . . .	2020 552 96618
2374	100nF 10% 16V 0402 . . . . .	3198 035 71040
2375	10uF 16V . . . . .	2020 021 91616
2376	1uF 10V 0603 . . . . .	3198 017 41050
2377	1uF 10V 0603 . . . . .	3198 017 41050
2378	220nF 10% 6.3V 0402. . . . .	2020 552 96718
2379	220nF 10% 6.3V 0402. . . . .	2020 552 96718
2380	47uF 20% 16V . . . . .	2020 021 91617
2381	100nF 10% 16V 0402 . . . . .	3198 035 71040
2382	470uF 20% 16V. . . . .	2020 021 91871
2386	1uF 10V 0603 . . . . .	3198 017 41050
2387	33pF 5% 50V 0402 . . . . .	4822 126 14324
2388	33pF 5% 50V 0402 . . . . .	4822 126 14324
2392	1uF 10V 0603 . . . . .	3198 017 41050
2394	100nF 10% 16V 0402 . . . . .	3198 035 71040
2395	100nF 10% 16V 0402 . . . . .	3198 035 71040
2396	10uF 16V . . . . .	4822 124 23002
2397	1uF 20% 6.3V 0402. . . . .	2020 552 96834
2398	1uF 20% 6.3V 0402. . . . .	2020 552 96834
2401	47uF 16V . . . . .	4822 124 80151
2402	47uF 16V . . . . .	4822 124 80151
2403	100nF 10% 16V 0402 . . . . .	3198 035 71040
2404	100nF 10% 16V 0402 . . . . .	3198 035 71040
2405	100nF 10% 16V 0402 . . . . .	3198 035 71040
2406	100nF 10% 16V 0402 . . . . .	3198 035 71040
2407	100nF 10% 16V 0402 . . . . .	3198 035 71040
2408	100nF 10% 16V 0402 . . . . .	3198 035 71040
2409	100nF 10% 16V 0402 . . . . .	3198 035 71040
2410	100nF 10% 16V 0402 . . . . .	3198 035 71040
2411	100nF 10% 16V 0402 . . . . .	3198 035 71040
2412	100nF 10% 16V 0402 . . . . .	3198 035 71040
2413	100nF 10% 16V 0402 . . . . .	3198 035 71040
2414	100nF 10% 16V 0402 . . . . .	3198 035 71040
2415	100nF 10% 16V 0402 . . . . .	3198 035 71040
2416	100nF 10% 16V 0402 . . . . .	3198 035 71040
2417	47uF 16V . . . . .	4822 124 80151
2418	47uF 16V . . . . .	4822 124 80151
2419	100nF 10% 16V 0402 . . . . .	3198 035 71040
2420	100nF 10% 16V 0402 . . . . .	3198 035 71040
2421	100nF 10% 16V 0402 . . . . .	3198 035 71040
2422	100nF 10% 16V 0402 . . . . .	3198 035 71040
2423	100nF 10% 16V 0402 . . . . .	3198 035 71040
2424	100nF 10% 16V 0402 . . . . .	3198 035 71040
2425	100nF 10% 16V 0402 . . . . .	3198 035 71040
2426	100nF 10% 16V 0402 . . . . .	3198 035 71040
2427	100nF 10% 16V 0402 . . . . .	3198 035 71040
2428	100nF 10% 16V 0402 . . . . .	3198 035 71040
2429	100nF 10% 16V 0402 . . . . .	3198 035 71040
2430	100nF 10% 16V 0402 . . . . .	3198 035 71040

S = Safety Part Be sure to use exact replacement part.

# 26PF9946/37 (continued)

2431	100nF 10% 16V 0402	3198 035 71040	2610	100nF 10% 16V 0402	3198 035 71040
2432	100nF 10% 16V 0402	3198 035 71040	2611	47µF 6.3V	4822 124 11131
2433	100nF 10% 16V 0402	3198 035 71040	2612	10nF 10% 16V 0402	2020 552 96628
2434	47µF 16V	4822 124 80151	2613	10nF 10% 16V 0402	2020 552 96628
2435	47µF 16V	4822 124 80151	2614	10nF 10% 16V 0402	2020 552 96628
2436	100nF 10% 16V 0402	3198 035 71040	2615	10nF 10% 16V 0402	2020 552 96628
2437	100nF 10% 16V 0402	3198 035 71040	2616	10nF 10% 16V 0402	2020 552 96628
2438	100nF 10% 16V 0402	3198 035 71040	2617	10nF 10% 16V 0402	2020 552 96628
2439	100nF 10% 16V 0402	3198 035 71040	2618	10nF 10% 16V 0402	2020 552 96628
2440	100nF 10% 16V 0402	3198 035 71040	2619	33pF 5% 50V 0402	4822 126 14324
2441	100nF 10% 16V 0402	3198 035 71040	2620	100nF 20% 50V 0603	2238 586 59812
2442	100nF 10% 16V 0402	3198 035 71040	2621	1µF 20% 6.3V 0402	2020 552 96834
2443	100nF 10% 16V 0402	3198 035 71040	2622	1µF 20% 6.3V 0402	2020 552 96834
2444	100nF 10% 16V 0402	3198 035 71040	2623	1µF 20% 6.3V 0402	2020 552 96834
2445	100nF 10% 16V 0402	3198 035 71040	2624	470nF 10V 0603	3198 017 44740
2446	100nF 10% 16V 0402	3198 035 71040	2625	470nF 10V 0603	3198 017 44740
2447	100nF 10% 16V 0402	3198 035 71040	2626	470nF 10V 0603	3198 017 44740
2448	100nF 10% 16V 0402	3198 035 71040	2630	1µF 20% 6.3V 0402	2020 552 96834
2449	100nF 10% 16V 0402	3198 035 71040	2631	1µF 20% 6.3V 0402	2020 552 96834
2450	100nF 10% 16V 0402	3198 035 71040	2632	1µF 20% 6.3V 0402	2020 552 96834
2451	47µF 16V	4822 124 80151	2633	1µF 20% 6.3V 0402	2020 552 96834
2452	100nF 10% 16V 0402	3198 035 71040	2634	1µF 20% 6.3V 0402	2020 552 96834
2453	100nF 10% 16V 0402	3198 035 71040	2635	1µF 20% 6.3V 0402	2020 552 96834
2454	100nF 10% 16V 0402	3198 035 71040	2636	100nF 10% 16V 0402	3198 035 71040
2455	100nF 10% 16V 0402	3198 035 71040	2638	330pF 5% 50V 0402	3198 035 03310
2456	100nF 10% 16V 0402	3198 035 71040	2639	330pF 5% 50V 0402	3198 035 03310
2457	10µF 10% 16V 1210	2020 552 96675	2702	1µF 20% 6.3V 0402	2020 552 96834
2461	100nF 10% 16V 0402	3198 035 71040	2703	10µF 16V	2020 021 91616
2462	100nF 10% 16V 0402	3198 035 71040	2707	470µF 20% 16V	2020 021 91871
2463	100nF 10% 16V 0402	3198 035 71040	2708	1µF 20% 6.3V 0402	2020 552 96834
2464	100nF 10% 16V 0402	3198 035 71040	2710	470pF 50V 0402	3198 035 04710
2465	22µF 20% 35V	5322 124 41945	2711	470pF 50V 0402	3198 035 04710
2466	100nF 10% 16V 0402	3198 035 71040	2712	1µF 20% 6.3V 0402	2020 552 96834
2467	100nF 10% 16V 0402	3198 035 71040	2713	100nF 20% 50V 0603	2238 586 59812
2468	100nF 10% 16V 0402	3198 035 71040	2714	470µF 20% 16V	2020 021 91871
2469	100nF 10% 16V 0402	3198 035 71040	2715	470µF 20% 16V	2020 021 91871
2470	22µF 20% 35V	5322 124 41945	2718	1µF 20% 6.3V 0402	2020 552 96834
2471	100nF 10% 16V 0402	3198 035 71040	2719	100nF 20% 50V 0603	2238 586 59812
2472	100nF 10% 16V 0402	3198 035 71040	2735	1nF 10% 50V 0402	2020 552 96618
2473	100nF 10% 16V 0402	3198 035 71040	2736	1nF 10% 50V 0402	2020 552 96618
2474	100nF 10% 16V 0402	3198 035 71040	2737	1nF 10% 50V 0402	2020 552 96618
2475	100nF 10% 16V 0402	3198 035 71040	2738	1nF 10% 50V 0402	2020 552 96618
2476	100nF 10% 16V 0402	3198 035 71040	2739	470pF 50V 0402	3198 035 04710
2477	100nF 10% 16V 0402	3198 035 71040	2740	470pF 50V 0402	3198 035 04710
2478	22µF 20% 35V	5322 124 41945	2741	470pF 50V 0402	3198 035 04710
2479	100nF 10% 16V 0402	3198 035 71040	2742	470pF 50V 0402	3198 035 04710
2480	100nF 10% 16V 0402	3198 035 71040	2743	1µF 20% 6.3V 0402	2020 552 96834
2481	100nF 10% 16V 0402	3198 035 71040	2744	1µF 20% 6.3V 0402	2020 552 96834
2482	22µF 20% 35V	5322 124 41945	2745	100µF 20% 16V	2020 021 91557
2483	100nF 10% 16V 0402	3198 035 71040	2746	1µF 10V 0603	3198 017 41050
2484	100nF 10% 16V 0402	3198 035 71040	2803	22µF 6.3V	4822 124 23237
2485	100nF 10% 16V 0402	3198 035 71040	2804	1µF 10V 0603	3198 017 41050
2486	100nF 10% 16V 0402	3198 035 71040	2805	1µF 10V 0603	3198 017 41050
2487	22pF 5% 50V 0402	4822 126 14519	2806	22µF 6.3V	4822 124 23237
2488	22pF 5% 50V 0402	4822 126 14519	2807	100nF 10% 16V 0402	3198 035 71040
2490	100nF 20% 50V 0603	2238 586 59812	2808	100nF 10% 16V 0402	3198 035 71040
2491	100nF 20% 50V 0603	2238 586 59812	2809	10µF 16V	4822 124 23002
2492	100nF 20% 50V 0603	2238 586 59812	2810	22µF 6.3V	4822 124 23237
2495	47µF 16V	4822 124 80151	2811	1nF 10% 50V 0402	2020 552 96618
2496	100nF 10% 16V 0402	3198 035 71040	2812	100nF 10% 16V 0402	3198 035 71040
2501	47µF 16V	4822 124 80151	2813	10µF 10% 16V 1210	2020 552 96675
2502	47µF 6.3V	4822 124 11131	2814	100nF 10% 16V 0402	3198 035 71040
2503	100nF 10% 16V 0402	3198 035 71040	2815	1nF 10% 50V 0402	2020 552 96618
2504	100nF 10% 16V 0402	3198 035 71040	2816	100nF 10% 16V 0402	3198 035 71040
2505	100nF 10% 16V 0402	3198 035 71040	2817	1nF 10% 50V 0402	2020 552 96618
2506	100nF 10% 16V 0402	3198 035 71040	2818	10µF 10% 16V 1210	2020 552 96675
2507	100nF 10% 16V 0402	3198 035 71040	2819	100nF 10% 16V 0402	3198 035 71040
2508	100nF 10% 16V 0402	3198 035 71040	2820	1nF 10% 50V 0402	2020 552 96618
2509	100nF 10% 16V 0402	3198 035 71040	2821	1nF 10% 50V 0402	2020 552 96618
2510	100nF 10% 16V 0402	3198 035 71040	2822	1nF 10% 50V 0402	2020 552 96618
2511	100nF 10% 16V 0402	3198 035 71040	2823	1nF 10% 50V 0402	2020 552 96618
2512	100nF 10% 16V 0402	3198 035 71040	2824	100nF 10% 16V 0402	3198 035 71040
2513	100nF 10% 16V 0402	3198 035 71040	2825	1nF 10% 50V 0402	2020 552 96618
2514	100nF 10% 16V 0402	3198 035 71040	2826	1nF 10% 50V 0402	2020 552 96618
2515	100nF 10% 16V 0402	3198 035 71040	2827	1nF 10% 50V 0402	2020 552 96618
2516	100nF 10% 16V 0402	3198 035 71040	2828	1nF 10% 50V 0402	2020 552 96618
2517	100nF 10% 16V 0402	3198 035 71040	2829	1nF 10% 50V 0402	2020 552 96618
2530	10µF 16V	4822 124 23002	2830	1nF 10% 50V 0402	2020 552 96618
2531	100nF 10% 16V 0402	3198 035 71040	2832	1nF 10% 50V 0402	2020 552 96618
2532	100nF 10% 16V 0402	3198 035 71040	2833	47µF 6.3V	4822 124 11131
2533	100nF 10% 16V 0402	3198 035 71040	2834	47µF 6.3V	4822 124 11131
2560	100nF 10% 16V 0402	3198 035 71040	2835	100nF 10% 16V 0402	3198 035 71040
2561	100µF 20% 16V	4822 124 12095	2836	100nF 10% 16V 0402	3198 035 71040
2562	100nF 10% 16V 0402	3198 035 71040	2837	10µF 10% 16V 1210	2020 552 96675
2563	4.7nF 5% 25V 0402	3198 035 14720	2838	10nF 16V 0402	3198 035 71030
2564	10µF 20% 25V 1210	2020 552 96656	2839	47nF 5% 16V 0402	3198 035 74730
2601	100nF 10% 16V 0402	3198 035 71040	2840	10µF 10% 16V 1210	2020 552 96675
2605	100nF 10% 16V 0402	3198 035 71040	2841	1µF 10V 0603	3198 017 41050
2606	100nF 10% 16V 0402	3198 035 71040	2842	1µF 10V 0603	3198 017 41050
2607	100nF 10% 16V 0402	3198 035 71040	2843	47µF 6.3V	4822 124 11131
2608	100nF 10% 16V 0402	3198 035 71040	2844	100nF 10% 16V 0402	3198 035 71040
2609	100nF 10% 16V 0402	3198 035 71040	2845	10nF 16V 0402	3198 035 71030

S = Safety Part Be sure to use exact replacement part.



## 26PF9946/37 (continued)

2846	10nF 16V 0402 . . . . .	3198 035 71030	3063	1k ohms 5% 0402 . . . . .	4822 117 13548
2847	1µF 10V 0603 . . . . .	3198 017 41050	3064	100 ohms 1% 0402 . . . . .	4822 117 13545
2848	1µF 10V 0603 . . . . .	3198 017 41050	3065	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2849	10nF 10% 16V 0402 . . . . .	2020 552 96628	3066	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2860	18pF 5% 50V 0402 . . . . .	2238 869 15189	3067	100 ohms 1% 0402 . . . . .	4822 117 13545
2861	18pF 5% 50V 0402 . . . . .	2238 869 15189	3068	1k ohms 5% 0402 . . . . .	4822 117 13548
2862	18pF 5% 50V 0402 . . . . .	2238 869 15189	3069	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2863	18pF 5% 50V 0402 . . . . .	2238 869 15189	3070	100 ohms 1% 0402 . . . . .	4822 117 13545
2864	18pF 5% 50V 0402 . . . . .	2238 869 15189	3071	100 ohms 1% 0402 . . . . .	4822 117 13545
2865	18pF 5% 50V 0402 . . . . .	2238 869 15189	3073	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
2866	18pF 5% 50V 0402 . . . . .	2238 869 15189	3074	100k ohms 5% 0.1W . . . . .	4822 117 11297
2867	18pF 5% 50V 0402 . . . . .	2238 869 15189	3075	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2868	18pF 5% 50V 0402 . . . . .	2238 869 15189	3076	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
2869	18pF 5% 50V 0402 . . . . .	2238 869 15189	3077	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2909	330µF10V . . . . .	2020 021 90913	3078	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2910	470pF 50V 0402 . . . . .	3198 035 04710	3079	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2911	22µF 20% 35V . . . . .	2022 031 00308	3080	1k ohms 1% . . . . .	2322 704 61002
2920	47µF 16V . . . . .	4822 124 80151	3081	100 ohms 1% 0402 . . . . .	4822 117 13545
2921	47µF 16V . . . . .	4822 124 80151	3082	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2930	470µF 20% 16V . . . . .	2020 021 91871	3083	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2931	470pF 50V 0402 . . . . .	3198 035 04710	3084	100 ohms 1% 0402 . . . . .	4822 117 13545
2933	470µF 20% 16V . . . . .	2020 021 91871	3085	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2934	4.7nF 10% 50V 0402 . . . . .	2020 552 96793	3086	2.2k ohms 5% 0.01W 0402 . . . . .	4822 117 13602
2935	470µF 20% 16V . . . . .	2020 021 91871	3087	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2937	1nF 10% 50V 0402 . . . . .	2020 552 96618	3088	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2938	1nF 10% 50V 0402 . . . . .	2020 552 96618	3089	150k ohms 5% 0402 . . . . .	3198 031 01540
2939	1nF 10% 50V 0402 . . . . .	2020 552 96618	3091	100 ohms 1% 0402 . . . . .	4822 117 13545
2940	1nF 10% 50V 0402 . . . . .	2020 552 96618	3092	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2941	1nF 10% 50V 0402 . . . . .	2020 552 96618	3093	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2942	1nF 10% 50V 0402 . . . . .	2020 552 96618	3094	10 ohms 5% 0.01W 0402 . . . . .	3198 031 01090
2953	470µF 20% 16V . . . . .	2020 021 91871	3096	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2955	4.7nF 5% 25V 0402 . . . . .	3198 035 14720	3097	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2956	220pF 5% 50V 0402 . . . . .	3198 035 02210	3302	100 ohms 5% 0.062W . . . . .	4822 051 30101
2957	470µF 20% 16V . . . . .	2020 021 91871	3303	100 ohms 5% 0.062W . . . . .	4822 051 30101
2958	470µF 20% 16V . . . . .	2020 021 91871	3304	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2959	100nF 10% 16V 0402 . . . . .	3198 035 71040	3305	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2960	47µF 16V . . . . .	4822 124 80151	3309	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2961	10nF 16V 0402 . . . . .	3198 035 71030	3314	100k ohms 1% 0603 0.62W . . . . .	4822 117 13632
2962	100nF 10% 16V 0402 . . . . .	3198 035 71040	3315	150k ohms 5% 0.062W . . . . .	4822 051 30154
2964	1nF 10% 50V 0402 . . . . .	2020 552 96618	3316	820 ohms 5% 0.62W . . . . .	4822 117 12968
2965	1nF 10% 50V 0402 . . . . .	2020 552 96618	3317	560 ohms 5% 0.062W . . . . .	4822 051 30561
2966	1nF 10% 50V 0402 . . . . .	2020 552 96618	3319	27k ohms 5% 0.062W . . . . .	4822 051 30273
2968	1nF 10% 50V 0402 . . . . .	2020 552 96618	3320	18k ohms 5% 0.062W . . . . .	4822 051 30183
2969	1nF 10% 50V 0402 . . . . .	2020 552 96618	3321	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2970	1nF 10% 50V 0402 . . . . .	2020 552 96618	3322	6.8 ohms 5% 0.062W . . . . .	4822 051 30682
2992	100nF 10% 16V 0402 . . . . .	3198 035 71040	3323	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2993	1nF 10% 50V 0402 . . . . .	2020 552 96618	3327	1k ohms 5% 0402 . . . . .	4822 117 13548
2994	470µF 20% 16V . . . . .	2020 021 91871	3328	100 ohms 1% 0402 . . . . .	4822 117 13545
2995	100nF 10% 16V 0402 . . . . .	3198 035 71040	3329	100 ohms 1% 0402 . . . . .	4822 117 13545
2996	47µF 16V . . . . .	4822 124 80151	3357	1k ohms 5% 0402 . . . . .	4822 117 13548
3000	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3358	100 ohms 1% 0402 . . . . .	4822 117 13545
3001	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3359	390 ohms 1% 0402 . . . . .	3198 031 03910
3002	22k ohms 5% 0402 . . . . .	4822 117 13601	3370	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
3003	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3371	100 ohms 1% 0402 . . . . .	4822 117 13545
3004	22k ohms 5% 0402 . . . . .	4822 117 13601	3372	100 ohms 1% 0402 . . . . .	4822 117 13545
3006	100 ohms 1% 0402 . . . . .	4822 117 13545	3374	10 ohms 5% . . . . .	5322 117 11726
3007	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3378	100 ohms 1% 0402 . . . . .	4822 117 13545
3008	47 ohms 5% 0402 . . . . .	3198 031 04730	3380	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3009	100k ohms 5% 0.1W . . . . .	4822 117 11297	3381	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3010	1k ohms 5% 0402 . . . . .	4822 117 13548	3382	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3013	100 ohms 1% 0402 . . . . .	4822 117 13545	3383	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3014	Jumper 0402 . . . . .	4822 117 13605	3386	100 ohms 1% 0402 . . . . .	4822 117 13545
3015	Jumper 0402 . . . . .	4822 117 13605	3389	100 ohms 1% 0402 . . . . .	4822 117 13545
3016	100 ohms 1% 0402 . . . . .	4822 117 13545	3390	100 ohms 1% 0402 . . . . .	4822 117 13545
3017	Jumper 0402 . . . . .	4822 117 13605	3391	100 ohms 1% 0402 . . . . .	4822 117 13545
3019	100 ohms 1% 0402 . . . . .	4822 117 13545	3392	100 ohms 1% 0402 . . . . .	4822 117 13545
3020	1k ohms 5% 0402 . . . . .	4822 117 13548	3393	100 ohms 1% 0402 . . . . .	4822 117 13545
3021	2.7k ohms 1% 0402 . . . . .	2322 706 72702	3394	75 ohms 5% 0402 . . . . .	3198 031 07590
3022	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3401	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3023	5.6k ohms 5% 0.01W 0402 . . . . .	3198 031 05620	3402	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3024	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3403	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3025	56k ohms 1% 0402 . . . . .	2322 706 75603	3404	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3026	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530	3405	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3027	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3406	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3028	100k ohms 5% 0.1W . . . . .	4822 117 11297	3407	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3029	1k ohms 5% 0402 . . . . .	4822 117 13548	3408	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3030	100k ohms 5% 0.1W . . . . .	4822 117 11297	3409	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3032	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240	3410	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3035	100 ohms 1% 0402 . . . . .	4822 117 13545	3411	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3037	82k ohms 5% 0402 . . . . .	3198 031 08230	3412	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3048	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3413	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3049	100 ohms 1% 0402 . . . . .	4822 117 13545	3414	33 ohms 1% 0402 . . . . .	3198 031 03390
3050	100 ohms 1% 0402 . . . . .	4822 117 13545	3422	33 ohms 1% 0402 . . . . .	3198 031 03390
3051	100 ohms 1% 0402 . . . . .	4822 117 13545	3423	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3052	Jumper 0402 . . . . .	4822 117 13605	3424	150 ohms 1% 0603 . . . . .	2322 704 61501
3054	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3425	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3057	820 ohms 0402 . . . . .	2322 706 78201	3426	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3058	470 ohms 5% 0402 . . . . .	4822 117 13543	3432	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3059	1k ohms 5% 0402 . . . . .	4822 117 13548	3433	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3060	39k ohms 5% 0402 . . . . .	3198 031 03930	3434	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3061	1.8k ohms 5% 0.01W 0402 . . . . .	3198 031 01820	3436	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3062	Jumper 0402 . . . . .	4822 117 13605	3437	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606

S = Safety Part Be sure to use exact replacement part.

# 26PF9946/37 (continued)

3438	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3737	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3439	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3738	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3440	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3739	22k ohms 5% 0402 . . . . .	4822 117 13601
3441	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3740	22k ohms 5% 0402 . . . . .	4822 117 13601
3442	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3741	100k ohms 5% 0.1W. . . . .	4822 117 11297
3443	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3742	22k ohms 5% 0402 . . . . .	4822 117 13601
3444	47 ohms 5% 0402. . . . .	3198 031 04730	3743	22k ohms 5% 0402 . . . . .	4822 117 13601
3446	100 ohms 1% 0.063W 0603. . . . .	5322 117 13017	3744	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3447	33 ohms 1% 0402. . . . .	3198 031 03390	3745	100k ohms 5% 0.1W. . . . .	4822 117 11297
3448	10 ohms 5% 0.01W 0402. . . . .	3198 031 01090	3746	100k ohms 5% 0.1W. . . . .	4822 117 11297
3450	47 ohms 5% 0402. . . . .	3198 031 04730	3747	100k ohms 5% 0.1W. . . . .	4822 117 11297
3451	4.7k ohms 5% 0402. . . . .	3198 031 04720	3748	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3452	4.7k ohms 5% 0402. . . . .	3198 031 04720	3749	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3501	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3750	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3502	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3751	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3503	150 ohms 1% 0603 . . . . .	2322 704 61501	3801	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3531	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3802	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3532	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3803	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3534	1k ohms 5% 0402. . . . .	4822 117 13548	3804	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3536	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3805	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3538	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3806	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3539	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3807	33 ohms 1% 0402. . . . .	3198 031 03390
3540	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3808	4.7k ohms 5% 0402. . . . .	3198 031 04720
3544	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3809	4.7k ohms 5% 0402. . . . .	3198 031 04720
3545	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3810	4.7k ohms 5% 0402. . . . .	3198 031 04720
3546	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3813	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3547	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3815	100 ohms 1% 0402 . . . . .	4822 117 13545
3548	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3816	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3551	Jumper 0603. . . . .	4822 051 30008	3817	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3552	Jumper 0603. . . . .	4822 051 30008	3819	100 ohms 1% 0402 . . . . .	4822 117 13545
3560	100k ohms 5% 0.1W. . . . .	4822 117 11297	3821	33 ohms 1% 0402. . . . .	3198 031 03390
3561	100k ohms 5% 0.1W. . . . .	4822 117 11297	3822	4.7k ohms 5% 0402. . . . .	3198 031 04720
3562	100k ohms 5% 0.1W. . . . .	4822 117 11297	3823	4.7k ohms 5% 0402. . . . .	3198 031 04720
3563	1k ohms 5% 0402. . . . .	4822 117 13548	3824	100 ohms 1% 0402 . . . . .	4822 117 13545
3564	1k ohms 5% 0402. . . . .	4822 117 13548	3825	100 ohms 1% 0402 . . . . .	4822 117 13545
3565	1.2k ohms 5% 0.01W 0402. . . . .	3198 031 01220	3826	1 ohms 5% 0.062W . . . . .	4822 117 12917
3566	1k ohms 5% 0402. . . . .	4822 117 13548	3827	1 ohms 5% 0.062W . . . . .	4822 117 12917
3605	100 ohms 1% 0402 . . . . .	4822 117 13545	3829	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3606	100 ohms 1% 0402 . . . . .	4822 117 13545	3830	33 ohms 1% 0402. . . . .	3198 031 03390
3607	100 ohms 1% 0402 . . . . .	4822 117 13545	3831	3.9k ohms 5% 0402. . . . .	3198 031 03920
3608	100 ohms 1% 0402 . . . . .	4822 117 13545	3833	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3609	100 ohms 1% 0402 . . . . .	4822 117 13545	3834	100 ohms 1% 0402 . . . . .	4822 117 13545
3610	22k ohms 5% 0402 . . . . .	4822 117 13601	3835	390 ohms 1% 0402 . . . . .	3198 031 03910
3612	470 ohms 5% 0402 . . . . .	4822 117 13543	3836	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3613	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3837	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3614	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3838	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3615	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3839	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3616	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3910	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602
3617	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3911	1k ohms 5% 0402. . . . .	4822 117 13548
3618	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3930	1 ohms 5% 0.062W . . . . .	4822 117 12917
3619	820 ohms 5% 0.5W . . . . .	3198 031 08210	3931	1 ohms 5% 0.062W . . . . .	4822 117 12917
3620	100k ohms 1% 0603 0.62W. . . . .	4822 117 13632	3932	1k ohms 1% . . . . .	2322 704 61002
3621	100k ohms 5% 0.1W. . . . .	4822 117 11297	3933	3.3k ohms 1% 0603. . . . .	2322 704 63302
3622	100k ohms 5% 0.1W. . . . .	4822 117 11297	3951	1 ohms 5% 0.062W . . . . .	4822 117 12917
3623	100k ohms 5% 0.1W. . . . .	4822 117 11297	3952	1 ohms 5% 0.062W . . . . .	4822 117 12917
3624	100k ohms 5% 0.1W. . . . .	4822 117 11297	3953	1k ohms 1% . . . . .	2322 704 61002
3625	100k ohms 5% 0.1W. . . . .	4822 117 11297	3954	3.3k ohms 1% 0603. . . . .	2322 704 63302
3626	100k ohms 5% 0.1W. . . . .	4822 117 11297	3955	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3633	100 ohms 1% 0402 . . . . .	4822 117 13545	3958	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
3634	100 ohms 1% 0402 . . . . .	4822 117 13545	4002	Jumper 0402. . . . .	4822 117 13605
3635	100 ohms 1% 0402 . . . . .	4822 117 13545	4004	Jumper 0402. . . . .	4822 117 13605
3640	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602	4005	Jumper 0402. . . . .	4822 117 13605
3641	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4006	Jumper 0402. . . . .	4822 117 13605
3642	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4007	Jumper 0402. . . . .	4822 117 13605
3643	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4008	Jumper 0402. . . . .	4822 117 13605
3644	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4010	Jumper 0402. . . . .	4822 117 13605
3645	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4011	Jumper 0402. . . . .	4822 117 13605
3646	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4012	Jumper 0402. . . . .	4822 117 13605
3703	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4313	Jumper 0603. . . . .	4822 051 30008
3706	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4318	Jumper 0603. . . . .	4822 051 30008
3711	39 ohms 5% 0402. . . . .	2322 705 70399	4327	Jumper 0603. . . . .	4822 051 30008
3711	Jumper 0402. . . . .	4822 117 13605	4331	Jumper 0603. . . . .	4822 051 30008
3712	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4340	Jumper 0603. . . . .	4822 051 30008
3714	12k ohms 5% 0402 . . . . .	3198 031 01230	4360	Jumper 0402. . . . .	4822 117 13605
3714	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4361	Jumper 0402. . . . .	4822 117 13605
3715	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4362	Jumper 0402. . . . .	4822 117 13605
3717	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4363	Jumper 0402. . . . .	4822 117 13605
3718	39 ohms 5% 0402. . . . .	2322 705 70399	4428	Jumper 0603. . . . .	4822 051 30008
3718	Jumper 0402. . . . .	4822 117 13605	4445	Jumper 0603. . . . .	4822 051 30008
3719	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4601	Jumper 0402. . . . .	4822 117 13605
3722	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4602	Jumper 0402. . . . .	4822 117 13605
3725	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4603	Jumper 0402. . . . .	4822 117 13605
3726	12k ohms 5% 0402 . . . . .	3198 031 01230	4608	Jumper 0402. . . . .	4822 117 13605
3726	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4636	Jumper 0402. . . . .	4822 117 13605
3727	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4708	Jumper 0402. . . . .	4822 117 13605
3730	6.8k ohms 5% 0.01W 0402. . . . .	3198 031 06820	5001	1000µF 20% 7032. . . . .	2422 536 00667
3730	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	5002	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3731	470 ohms 5% 0402 . . . . .	4822 117 13543	5003	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3732	1k ohms 5% 0402. . . . .	4822 117 13548	5004	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3733	470 ohms 5% 0402 . . . . .	4822 117 13543	5005	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3735	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5006	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3736	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5007	Bead 30 ohms at 100MHz . . . . .	4822 157 11716

S = Safety Part Be sure to use exact replacement part.

5008	Bead 30 ohms at 100MHz	4822	157	11716	7531	M24C32-WMN6TNKSA	9322	156	81668
5060	Bead 30 ohms at 100MHz	4822	157	11716	7532	NE56610-27GW	9352	691	71115
5070	Bead 30 ohms at 100MHz	4822	157	11716	7560	TD9178T/N1	9352	334	10118
5071	Bead 120 ohms 100MHz	2422	549	42896	7562	L7808CD2T.	9322	199	24668
5072	Bead 120 ohms 100MHz	2422	549	42896	7563	PMBT2369	4822	209	73852
5304	Bead 60 ohms at 100MHz	4822	157	11499	7604	74LVC14APW	9352	607	39118
5309	12uH 10%	3198	018	31290	7605	74HC4053D.	4822	209	60792
5321	0.39uF 10% 0805.	3198	018	33970	7606	ADG781BCP.	9322	199	56668
5324	0.68uH	4822	157	71334	7607	SM5301BS-G	9322	199	80668
5370	Bead 30 ohms at 100MHz	4822	157	11716	7640	PDTTC114ET.	4822	130	11155
5371	Bead 30 ohms at 100MHz	4822	157	11716	7702	BC847BS.	9340	425	20115
5372	Bead 220 ohms at 100MHz.	2422	549	44197	7703	BC847BS.	9340	425	20115
5530	Bead 120 ohms 100MHz	2422	549	45333	7706	74HC08PW	9351	742	70118
5560	Bead 30 ohms at 100MHz	4822	157	11716	7708	PUMH7.	9340	550	49115
5605	Bead 120 ohms 100MHz	2422	549	45333	7709	TDA7297D	9322	206	09668
5607	Bead 120 ohms 100MHz	2422	549	45333	7710	BC847BW.	3198	010	42313
5636	Bead 120 ohms 100MHz	2422	549	45333	7740	TS482ID.	9322	183	05668
5646	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01432
5801	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01442
5802	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01452
5803	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01561
5804	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01581
5805	Bead 120 ohms 100MHz	2422	549	42896	7806	BSN20.	9965	000	04199
5909	100 Mhz 0603	2422	549	45843	7807	BSN20.	9965	000	04199
5910	1000uF 20% 7032.	2422	536	00667	7808	SI19993CTG100.	9322	199	35671
5920	Bead 120 ohms 100MHz	2422	549	45333	7809	UDAL334BT/N2	9352	703	94118
5930	10uH 20% 0805.	2422	535	94134	7810	HEF4053BT.	5322	209	14481
5931	220uF 20%	2422	536	00689	7910	BC817-25	4822	130	42804
5932	10uH 20% 0805.	2422	535	94134	7920	L78M08CDT.	9322	163	24668
5952	10uH 20% 0805.	2422	535	94134	7930	MC34063AD.	5322	209	90529
5953	220uF 20%	2422	536	00689	7952	MC34063AD.	5322	209	90529
5954	10uH 20% 0805.	2422	535	94134	7953	L4940D2T12.	9322	199	25668
5956	Bead 120 ohms 100MHz	2422	549	45333	7954	SI12301DS.	9322	157	51685
5958	Bead 120 ohms 100MHz	2422	549	45333	7955	PDTTC114ET.	4822	130	11155
5959	Bead 120 ohms 100MHz	2422	549	45333	7992	LF25CDT.	9322	142	88668
5984	Bead 120 ohms 100MHz	2422	549	45333	7995	LD1086D2T18.	9322	189	19668
5985	Bead 120 ohms 100MHz	2422	549	45333	8002	Cable 20p/150/20p.	3139	131	04261
5986	Bead 120 ohms 100MHz	2422	549	45333					
5987	Bead 120 ohms 100MHz	2422	549	45333					
5988	Bead 120 ohms 100MHz	2422	549	45333					

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## 26PF9946/37 (continued)

2889	10µF 16V . . . . .	4822	124	23002	5889	Bead 120 ohms at 100MHz. . . . .	4822	157	11506
2890	100nF 20% 50V 0603 . . . . .	2238	586	59812	5890	10µH 5% 1210 . . . . .	4822	157	71314
2891	10µF 16V . . . . .	4822	124	23002	5891	15µF 5% 1008 . . . . .	3198	018	61590
2892	10nF 10% 50V 0603. . . . .	5322	126	11583	6875	1P576SB10. . . . .	4822	130	11528
2893	150pF 10% 50V 0603 . . . . .	3198	016	31510	6876	BA517. . . . .	4822	130	81289
2894	150pF 10% 50V 0603 . . . . .	3198	016	31510	7800	BC847BW. . . . .	3198	010	42310
2895	10nF 10% 50V 0603. . . . .	5322	126	11583	7801	BC857BW. . . . .	3198	010	42320
2896	10µF 16V . . . . .	4822	124	23002	7802	BF570. . . . .	4822	130	62755
2897	150pF 10% 50V 0603 . . . . .	3198	016	31510	7803	BC857BW. . . . .	3198	010	42320
3801	33 ohms 5% 0.062W. . . . .	4822	051	30339	7807	BC857BW. . . . .	3198	010	42320
3802	Jumper 0603. . . . .	4822	051	30008	7808	BC847BW. . . . .	3198	010	42310
3803	1k ohms 5% 0.062W. . . . .	4822	051	30102	7809	BC847BW. . . . .	3198	010	42310
3804	47 ohms 5% 0.062W. . . . .	4822	051	30479	7812	BF550. . . . .	4822	130	42131
3805	100 ohms 5% 0.062W. . . . .	4822	051	30101	7816	BC847BW. . . . .	3198	010	42310
3806	120 ohms 5% 0.062W. . . . .	4822	051	30121	7817	BC857BW. . . . .	3198	010	42320
3807	120 ohms 5% 0.062W. . . . .	4822	051	30121	7818	BF570. . . . .	4822	130	62755
3808	120 ohms 5% 0.062W. . . . .	4822	051	30121	7823	UPD64083GF . . . . .	9322	170	65671
3809	330 ohms 5% 0.062W. . . . .	4822	051	30331	7837	BC857BW. . . . .	3198	010	42320
3810	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	7851	LF25CDT. . . . .	9322	142	88668
3811	560 ohms 5% 0.062W. . . . .	4822	051	30561	7860	BC847BW. . . . .	3198	010	42310
3812	10 ohms 5% 0.062W. . . . .	4822	051	30109	7861	BC857BW. . . . .	3198	010	42320
3813	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	7862	BC847BW. . . . .	3198	010	42310
3814	10 ohms 5% 0.062W. . . . .	4822	051	30109	7875	LM809M3X-3.08. . . . .	9322	163	48668
3815	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903	7890	BC847BW. . . . .	3198	010	42310
3816	47 ohms 5% 0.062W. . . . .	4822	051	30479	8800	Cable foil 10p/200/10p . . . . .	3139	131	04031
3817	1k ohms 5% 0.062W. . . . .	4822	051	30102	8800	Cable foil 10p/180 shielded. . . . .	3139	131	04771
3818	Jumper 0603. . . . .	4822	051	30008					
3819	47 ohms 5% 0.062W. . . . .	4822	051	30479	<b>Side I/O Parts [D]</b>				
3820	330 ohms 5% 0.062W. . . . .	4822	051	30331	Side I/O Parts [D]				
3821	180 ohms 5% 0.062W. . . . .	4822	051	30181	0229	FACTORY PLATE. . . . .	3122	120	01701
3822	120 ohms 5% 0.062W. . . . .	4822	051	30121	1301	20P Female . . . . .	2422	025	14531
3823	120 ohms 5% 0.062W. . . . .	4822	051	30121	1302	Connector 6p f . . . . .	2422	025	04854
3824	330 ohms 5% 0.062W. . . . .	4822	051	30331	1306	Connector Phone. . . . .	2422	026	05059
3825	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1307	YKF51-5359 . . . . .	4822	267	10484
3826	560 ohms 5% 0.062W. . . . .	4822	051	30561	1308	Soc phone 1P . . . . .	2422	026	05513
3827	10 ohms 5% 0.062W. . . . .	4822	051	30109	1309	Tact switch. . . . .	4822	276	13202
3828	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	1310	Tact switch. . . . .	4822	276	13202
3829	10 ohms 5% 0.062W. . . . .	4822	051	30109	1311	Tact switch. . . . .	4822	276	13202
3830	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1312	Tact switch. . . . .	4822	276	13202
3832	12k ohms 5% 0.1W . . . . .	4822	051	30123	1313	Tact switch. . . . .	4822	276	13202
3833	10 ohms 5% 0.062W. . . . .	4822	051	30109	2301	1µF 10V 0603 . . . . .	3198	017	41050
3834	47 ohms 5% 0.062W. . . . .	4822	051	30471	2302	330pF 0603 50V . . . . .	4822	126	14241
3835	47 ohms 5% 0.062W. . . . .	4822	051	30471	2303	1µF 10V 0603 . . . . .	3198	017	41050
3836	10 ohms 5% 0.062W. . . . .	4822	051	30109	2304	330pF 0603 50V . . . . .	4822	126	14241
3837	560 ohms 5% 0.062W. . . . .	4822	051	30561	2305	330pF 0603 50V . . . . .	4822	126	14241
3838	1k ohms 5% 0.062W. . . . .	4822	051	30102	2306	330pF 0603 50V . . . . .	4822	126	14241
3839	560 ohms 5% 0.062W. . . . .	4822	051	30561	2326	1µF 10V 0603 . . . . .	3198	017	41050
3841	820 ohms 5% 0.62W. . . . .	4822	117	12968	3301	330 ohms 5% 0.062W . . . . .	4822	051	30331
3842	3.3 ohms 5% 0.062W. . . . .	4822	051	30332	3302	33 ohms 5% 0.062W. . . . .	4822	051	30339
3843	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	3303	220 ohms 5% 0.062W . . . . .	4822	051	30221
3844	10 ohms 5% 0.062W. . . . .	4822	051	30109	3304	22k ohms 5% 0.062W . . . . .	4822	051	30223
3847	12k ohms 5% 0.1W . . . . .	4822	051	30123	3305	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3855	1 ohms 5% . . . . .	4822	117	11151	3306	75 ohms 5% 0.062W. . . . .	4822	051	30759
3860	47 ohms 5% 0.062W. . . . .	4822	051	30471	3307	22k ohms 5% 0.062W . . . . .	4822	051	30223
3861	4.7 ohms 5% 0.062W. . . . .	4822	051	30472	3308	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3862	27k ohms 5% 0.062W. . . . .	4822	051	30273	3316	33 ohms 5% 0.062W. . . . .	4822	051	30339
3863	1k ohms 5% 0.062W. . . . .	4822	051	30102	3318	150 ohms 5% 0.062W . . . . .	4822	051	30151
3864	220 ohms 5% 0.062W. . . . .	4822	051	30221	3319	390 ohms 5% 0.062W . . . . .	4822	051	30391
3865	2.2k ohms 5% 0.062W. . . . .	4822	051	30222	3320	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903
3866	220k ohms 1% . . . . .	4822	117	12891	3321	820 ohms 5% 0.62W. . . . .	4822	117	12968
3867	47 ohms 5% 0.062W. . . . .	4822	051	30471	3322	Jumper 0603. . . . .	4822	051	30008
3875	220 ohms 5% 0.062W. . . . .	4822	051	30221	3323	Jumper 0603. . . . .	4822	051	30008
3876	150 ohms 5% 0.062W. . . . .	4822	051	30151	3325	75 ohms 5% 0.062W. . . . .	4822	051	30759
3878	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3326	1k ohms 5% 0.062W. . . . .	4822	051	30102
3879	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3327	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632
3881	47 ohms 5% 0.062W. . . . .	4822	051	30479	3328	100 ohms 5% 0.062W . . . . .	4822	051	30101
3882	47 ohms 5% 0.062W. . . . .	4822	051	30479	3329	56k ohms 5% 0.062W . . . . .	4822	051	30563
3883	1k ohms 5% 0.062W. . . . .	4822	051	30102	4301	Jumper 0603. . . . .	4822	051	30008
3884	220 ohms 5% 0.062W. . . . .	4822	051	30221	4304	Jumper 0603. . . . .	4822	051	30008
3890	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	4305	Jumper 0603. . . . .	4822	051	30008
3891	10 ohms 5% 0.062W. . . . .	4822	051	30109	4311	Jumper 0603. . . . .	4822	051	30008
3892	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	4312	Jumper 0603. . . . .	4822	051	30008
3893	47 ohms 5% 0.062W. . . . .	4822	051	30471	4313	Jumper 0603. . . . .	4822	051	30008
3894	47 ohms 5% 0.062W. . . . .	4822	051	30471	4320	Jumper 0603. . . . .	4822	051	30008
3895	1k ohms 5% 0.062W. . . . .	4822	051	30102	4322	Jumper 0603. . . . .	4822	051	30008
3896	100 ohms 5% 0.062W. . . . .	4822	051	30101	4323	Jumper 0603. . . . .	4822	051	30008
5801	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4324	Jumper 0603. . . . .	4822	051	30008
5802	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4325	Jumper 0603. . . . .	4822	051	30008
5804	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4326	Jumper 0603. . . . .	4822	051	30008
5806	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4327	Jumper 0603. . . . .	4822	051	30008
5832	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4329	Jumper 0603. . . . .	4822	051	30008
5835	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4330	Jumper 0603. . . . .	4822	051	30008
5840	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4331	Jumper 0603. . . . .	4822	051	30008
5841	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4332	Jumper 0603. . . . .	4822	051	30008
5849	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4333	Jumper 0603. . . . .	4822	051	30008
5851	10µH 5% 1210 . . . . .	4822	157	71314	4334	Jumper 0603. . . . .	4822	051	30008
5852	10µH 5% 1210 . . . . .	4822	157	71314	4335	Jumper 0603. . . . .	4822	051	30008
5855	10µH 5% 1210 . . . . .	4822	157	71314	4337	Jumper 0603. . . . .	4822	051	30008
5856	10µH 5% . . . . .	2422	536	00215	6306	UD24.7B. . . . .	4822	130	11148
5860	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	7326	BC856B . . . . .	4822	130	60373
5870	10µH 5% 1210 . . . . .	4822	157	71314	8540	Cable 6P . . . . .	3139	131	03641
5888	10µH 5% . . . . .	2422	536	00215					

### Front LED Panel Parts [J]

### Front LED Panel Parts [J]

S = Safety Part Be sure to use exact replacement part.

## 26PF9946/37 (continued)

0080	Light sensor holder. . . . .	3139	120	10171	3231	22k ohms 5% 0.062W . . . . .	4822	051	30223
2540	100µF 20% 16V. . . . .	4822	124	41643	3232	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
2541	1µF 10V 0603 . . . . .	3198	017	41050	3233	22k ohms 5% 0.062W . . . . .	4822	051	30223
3540	330 ohms 5% 0.062W . . . . .	4822	051	30331	3234	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3542	220 ohms 5% 0.062W . . . . .	4822	051	30221	3235	75 ohms 5% 0.062W. . . . .	4822	051	30759
3544	3.3 ohms 5% 0.062W . . . . .	4822	051	30332	3236	75 ohms 5% 0.062W. . . . .	4822	051	30759
3547	2.2M ohms 5% 0603. . . . .	3198	021	32250	3238	390 ohms 1% 0.063W 0603. . . . .	5322	117	13062
4540	Jumper 0603. . . . .	4822	051	30008	3239	82k ohms 5% 0.6W . . . . .	4822	117	12864
4541	Jumper 0603. . . . .	4822	051	30008	3240	82k ohms 5% 0.6W . . . . .	4822	117	12864
4542	Jumper 0603. . . . .	4822	051	30008	3241	10k ohms 5% 0.062W . . . . .	4822	051	30103
6540	SPR-325MVW . . . . .	9322	192	35676	3242	1k ohms 5% 0.062W. . . . .	4822	051	30102
6541	IR receiverTSOP34836LL1B . . . . .	9322	207	16667	3681	Jumper 0603. . . . .	4822	051	30008
7540	BC856B . . . . .	4822	130	60373	3683	75 ohms 5% 0.062W. . . . .	4822	051	30759
7541	BC846B . . . . .	5322	130	60159	3684	75 ohms 5% 0.062W. . . . .	4822	051	30759
7542	BC846B . . . . .	5322	130	60159	3686	Jumper 0603. . . . .	4822	051	30008
7543	BPW34. . . . .	9322	190	34682	3687	75 ohms 5% 0.062W. . . . .	4822	051	30759

### Rear I/O Panel Parts [H]

Rear I/O Panel Parts [H]									
1103	45P Female . . . . .	2422	025	18249	3697	10k ohms 5% 0.062W . . . . .	4822	051	30103
1104	20P Female . . . . .	2422	025	14551	3698	22k ohms 5% 0.062W . . . . .	4822	051	30223
1175	Socket CINC3 3p f h RdBuGn . . . . .	2422	026	05589	3699	22k ohms 5% 0.062W . . . . .	4822	051	30223
1176	Socket phone 1P f. . . . .	2422	026	05553	3700	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1177	Socket phone 1P f. . . . .	2422	026	05553	3701	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1178	Socket SUBD 15p f v. . . . .	2422	025	18088	4175	Jumper 0603. . . . .	4822	051	30008
1178	Socket SUBD 15p f h. . . . .	2422	025	18477	4176	Jumper 0603. . . . .	4822	051	30008
1179	Socket HDMI 29P f. . . . .	2422	033	00504	4223	Jumper 0603. . . . .	4822	051	30008
1180	Socket headphone . . . . .	4822	267	31014	5681	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1182	Socket CINC3 3p f RdWhYe . . . . .	2422	026	05499	5683	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1183	Connector 4P f . . . . .	2422	026	05428	5684	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1690	Connector 20p f h 0.50 . . . . .	2422	025	18011	5687	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1698	45P Female . . . . .	2422	025	18249	6100	BAS316 . . . . .	4822	130	11397
2179	10nF 10% 50V 0603. . . . .	5322	126	11583	6695	BAS316 . . . . .	4822	130	11397
2182	330pF 0603 50V . . . . .	4822	126	14241	7193	BC857BW. . . . .	3198	010	42320
2183	1µF 10V 0603 . . . . .	3198	017	41050	7225	BC847BW. . . . .	3198	010	42310
2184	330pF 0603 50V . . . . .	4822	126	14241	7226	BC847BW. . . . .	3198	010	42310
2185	1µF 10V 0603 . . . . .	3198	017	41050	7227	BC847BW. . . . .	3198	010	42310
2190	10µF 16V . . . . .	4822	124	23002	7228	BC847BW. . . . .	3198	010	42310
2194	1µF 10V 0603 . . . . .	3198	017	41050	7229	BC847BW. . . . .	3198	010	42310
2195	220nF +80-20% 16V. . . . .	4822	126	13879	7230	BC847BW. . . . .	3198	010	42310
2196	1µF 10V 0603 . . . . .	3198	017	41050	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01511
2225	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01641
2227	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01961
2228	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01971
2231	330pF 0603 50V . . . . .	4822	126	14241	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01991
2232	1µF 10V 0603 . . . . .	3198	017	41050	8103	FFC Foil 45P . . . . .	3139	131	03511
2233	330pF 0603 50V . . . . .	4822	126	14241	8103	Cable foil 45p/060/45p . . . . .	3139	131	04721
2234	1µF 10V 0603 . . . . .	3198	017	41050	8690	Cable foil 20p/60 shielded . . . . .	3139	131	04051
2238	100nF 20% 50V 0603 . . . . .	2238	586	59812	8698	FFC Foil 45P . . . . .	3139	131	03511
2683	1µF 10V 0603 . . . . .	3198	017	41050	8698	Cable foil 45p/060/45p . . . . .	3139	131	04721
2684	1µF 10V 0603 . . . . .	3198	017	41050					
2687	1µF 10V 0603 . . . . .	3198	017	41050					
2693	100nF 20% 50V 0603 . . . . .	2238	586	59812					
2698	100pF 5% 50V . . . . .	2020	552	94427	1001	Connector 9p m . . . . .	2422	025	17192
2699	100pF 5% 50V . . . . .	2020	552	94427	1002	Connector 20p m v 1.25 . . . . .	2422	025	18314
2704	330pF 0603 50V . . . . .	4822	126	14241	1003	Connector 20p m v 1.25 . . . . .	2422	025	18314
2705	330pF 0603 50V . . . . .	4822	126	14241	1206	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3175	75 ohms 5% 0.062W. . . . .	4822	051	30759	1207	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3176	330 ohms 5% 0.062W . . . . .	4822	051	30331	1209	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3177	330 ohms 5% 0.062W . . . . .	4822	051	30331	1210	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3178	75 ohms 5% 0.062W. . . . .	4822	051	30759	1211	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3179	75 ohms 5% 0.062W. . . . .	4822	051	30759	1403	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3180	330 ohms 5% 0.062W . . . . .	4822	051	30331	1404	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3181	330 ohms 5% 0.062W . . . . .	4822	051	30331	1405	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3182	22k ohms 5% 0.062W . . . . .	4822	051	30223	1406	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3183	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	1407	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3184	22k ohms 5% 0.062W . . . . .	4822	051	30223	2101	100pF 5% 50V . . . . .	2020	552	94427
3185	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	2102	100pF 5% 50V . . . . .	2020	552	94427
3186	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2103	100pF 5% 50V . . . . .	2020	552	94427
3187	10k ohms 5% 0.062W . . . . .	4822	051	30103	2104	100pF 5% 50V . . . . .	2020	552	94427
3188	10k ohms 5% 0.062W . . . . .	4822	051	30103	2105	100nF 20% 50V 0603 . . . . .	2238	586	59812
3190	47 ohms 5% 0.062W. . . . .	4822	051	30479	2106	100pF 5% 50V . . . . .	2020	552	94427
3191	33 ohms 5% 0.062W. . . . .	4822	051	30339	2107	100nF 20% 50V 0603 . . . . .	2238	586	59812
3192	75 ohms 5% 0.062W. . . . .	4822	051	30759	2108	1µF 10% 6V3 0603 . . . . .	2022	552	05614
3193	100 ohms 5% 0.062W . . . . .	4822	051	30101	2110	1nF 25V 0603 . . . . .	3198	016	31020
3194	1k ohms 5% 0.062W. . . . .	4822	051	30102	2112	100nF 20% 50V 0603 . . . . .	2238	586	59812
3195	56k ohms 5% 0.062W . . . . .	4822	051	30563	2113	100nF 20% 50V 0603 . . . . .	2238	586	59812
3196	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	2114	2.2µF 10% 6.3V . . . . .	2022	552	05682
3197	10k ohms 5% 0.062W . . . . .	4822	051	30103	2115	100nF 20% 50V 0603 . . . . .	2238	586	59812
3198	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2116	2.2µF 10% 6.3V . . . . .	2022	552	05682
3199	27k ohms 5% 0.062W . . . . .	4822	051	30273	2121	100nF 20% 50V 0603 . . . . .	2238	586	59812
3220	330 ohms 5% 0.062W . . . . .	4822	051	30331	2122	100nF 20% 50V 0603 . . . . .	2238	586	59812
3221	330 ohms 5% 0.062W . . . . .	4822	051	30331	2123	100nF 20% 50V 0603 . . . . .	2238	586	59812
3222	75 ohms 5% 0.062W. . . . .	4822	051	30759	2124	100nF 20% 50V 0603 . . . . .	2238	586	59812
3223	75 ohms 5% 0.062W. . . . .	4822	051	30759	2130	100nF 20% 50V 0603 . . . . .	2238	586	59812
3224	33 ohms 5% 0.062W. . . . .	4822	051	30339	2131	100nF 20% 50V 0603 . . . . .	2238	586	59812
3225	10k ohms 5% 0.062W . . . . .	4822	051	30103	2132	100nF 20% 50V 0603 . . . . .	2238	586	59812
3226	10k ohms 5% 0.062W . . . . .	4822	051	30103	2133	100nF 20% 50V 0603 . . . . .	2238	586	59812
3227	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2134	100nF 20% 50V 0603 . . . . .	2238	586	59812
3228	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2135	2.2µF 10% 6.3V . . . . .	2022	552	05682
3229	10k ohms 5% 0.062W . . . . .	4822	051	30103	2136	100nF 20% 50V 0603 . . . . .	2238	586	59812
3230	10k ohms 5% 0.062W . . . . .	4822	051	30103	2139	100nF 20% 50V 0603 . . . . .	2238	586	59812

S = Safety Part Be sure to use exact replacement part.

## 26PF9946/37 (continued)

2140	100nF 20% 50V 0603 . . . . .	2238 586 59812	5105	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2141	100nF 20% 50V 0603 . . . . .	2238 586 59812	5106	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2142	100nF 20% 50V 0603 . . . . .	2238 586 59812	5107	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2143	100nF 20% 50V 0603 . . . . .	2238 586 59812	5201	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2144	100nF 20% 50V 0603 . . . . .	2238 586 59812	5202	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2145	100nF 20% 50V 0603 . . . . .	2238 586 59812	5203	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2146	100nF 20% 50V 0603 . . . . .	2238 586 59812	5401	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2147	100nF 20% 50V 0603 . . . . .	2238 586 59812	5402	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2148	100nF 20% 50V 0603 . . . . .	2238 586 59812	5403	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
2149	100nF 20% 50V 0603 . . . . .	2238 586 59812	7101	EP1C12F256C8 . . . . .	9322 200 14671
2150	100nF 20% 50V 0603 . . . . .	2238 586 59812	7102	Softw. (See Prod.Surv.) . . . . .	3122 357 00601
2201	100nF 20% 50V 0603 . . . . .	2238 586 59812	7108	Xtal 14.31818MHz 15pF SMD . . . . .	2722 171 08825
2202	100nF 20% 50V 0603 . . . . .	2238 586 59812	7110	BC847BS. . . . .	9340 425 20115
2203	100nF 20% 50V 0603 . . . . .	2238 586 59812	7201	THC63LVDF84B . . . . .	9322 210 59668
2204	100nF 20% 50V 0603 . . . . .	2238 586 59812	7403	THC63LVDM83R . . . . .	9322 201 03668
2205	100nF 20% 50V 0603 . . . . .	2238 586 59812	7501	LF15ABDT . . . . .	9322 170 14668
2206	1pF 25% 50V 0603 . . . . .	3198 016 31080	7504	SI2307DS . . . . .	9322 190 77685
2207	1pF 25% 50V 0603 . . . . .	3198 016 31080	7505	PDTC114ET. . . . .	4822 130 11155
2208	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2209	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2210	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2211	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2212	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2213	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2214	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2215	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2216	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2401	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2402	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2403	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2404	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2405	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2406	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2407	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2408	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2409	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2410	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2411	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2412	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2413	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2414	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2415	1pF 25% 50V 0603 . . . . .	3198 016 31080			
2419	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2502	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2503	100µF 20% 16V. . . . .	4822 124 12095			
2504	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2505	2.2µF 10% 6.3V . . . . .	2022 552 05682			
2508	22pF 5% 50V. . . . .	4822 122 33761			
2509	22pF 5% 50V. . . . .	4822 122 33761			
2515	100nF 20% 50V 0603 . . . . .	2238 586 59812			
2516	22pF 5% 50V. . . . .	4822 122 33761			
2520	22pF 5% 50V. . . . .	4822 122 33761			
2522	10nF 10% 50V 0603. . . . .	5322 126 11583			
3101	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3102	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3103	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3104	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3105	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3106	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3107	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3108	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3109	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3110	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3111	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3112	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3113	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3114	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3115	1k ohms 5% 0.062W. . . . .	4822 051 30102			
3116	33k ohms 5% 0.062W . . . . .	4822 051 30333			
3117	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3118	33k ohms 5% 0.062W . . . . .	4822 051 30333			
3122	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3125	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3202	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3204	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3207	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3210	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3213	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3216	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3402	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3403	1k ohms 5% 0.062W. . . . .	4822 051 30102			
3406	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3407	100 ohms 5% 0.062W . . . . .	4822 051 30101			
3421	47 ohms 5% 0.062W. . . . .	4822 051 30479			
3510	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3512	10k ohms 5% 0.062W . . . . .	4822 051 30103			
3513	1k ohms 5% 0.062W. . . . .	4822 051 30102			
3515	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3519	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
3520	4.7 ohms 5% 0.062W . . . . .	4822 051 30472			
5101	Bead 30 ohms at 100MHz . . . . .	4822 157 11716			
5104	Bead 30 ohms at 100MHz . . . . .	4822 157 11716			

S = Safety Part Be sure to use exact replacement part.

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## Set Level Parts

Set Level Parts			
REMOTE	Remote Transmitter, RCAE049_FRP.	3128	147 15921
S 1001	AC Line Cord	2422	070 98208
1002	FM Antenna Wire.	3139	131 02781
1116	Side I/O panel	3139	188 54481
1121	3D Comb-fiter panel 23'	3139	188 53061
1121	3D Comb-fiter panel 26'	3139	188 68791
1126	Rear I/O panel 17'	3139	188 52981
1126	Rear I/O panel 26'	3139	188 80961
1126	Rear I/O panel 23'	3139	188 80981
1129	ASSY LC04 LCPI (EPLD).	3139	188 81401
1150	TV & Scaler board 17'	3139	188 56751
1150	TV & Scaler board 23'	3139	188 80511
1150	TV & Scaler board 26'	3139	188 80541
S 1188	Power supply 17'	3122	137 23041
S 1188	Power supply 23'	3122	137 23071
S 1188	Power supply 26'	3122	137 23081
8190	Cable VGA 1.5m CINCH RdGnBu.	2422	076 00584
8192	Cable coax 1.5m.	2422	076 00604
8194	Cable 1.5M	2422	076 00585
8301	Cable foil 20p/75/20p.	3139	131 03972
8301	Cable foil 20p/150/20p.	3139	131 04011
8301	Cable foil 20p/150 1.25.	3139	131 04691
8301	Cable foil 20p/130 1.25.	3139	131 04701
8403	Cable 20P.	3139	131 03581
8403	Cable 20p/280/20p.	3139	131 04271

## TV & Scaler Board Parts [A]

TV & Scaler Board Parts [A]			
1001	Xtal 24.576MHz 30pF.	2422	543 01255
1004	Connector 10P f.	2422	025 15773
1005	45P Female	2422	025 18249
1302	UR1336/A F S H-3	3139	147 19711
1302	UR1336/A FI S H-3.	3139	147 22321
1303	Connector 3p m	2422	025 16835
1304	Connector 3p m	2422	025 16835
1328	SAW 45.75MHz M1967L.	2422	549 44377
1401	Xtal 14.32MHz 20pF	2422	543 01133
1403	Connector 20p m v 1.25	2422	025 18314
1409	Connector 9p m h	2422	025 16846
1601	45P Female	2422	025 18249
1704	Connector 4p m	2422	025 16543
1801	Connector 20p f h 0.50	2422	025 18011
1910	Connector 12p m.	2422	025 16705
2000	1uF 10V 0603	3198	017 41050
2001	220nF 10% 6.3V 0402.	2020	552 96718
2002	100uF 20% 6.3V	2020	021 91679
2003	100nF 10% 10V 0402.	2020	552 96437
2004	220nF 10% 6.3V 0402.	2020	552 96718
2005	100nF 10% 16V 0402	3198	035 71040
2006	8.2pF 50V.	3198	034 08280
2007	8.2pF 50V.	3198	034 08280
2008	470nF 10V 0603	3198	017 44740
2009	1uF 10V 0603	3198	017 41050
2010	6.8nF 10% 16V 0402	3198	035 26820
2011	220nF 10% 6.3V 0402.	2020	552 96718
2012	100uF 20% 16V.	2020	021 91557
2013	100nF 10% 16V 0402	3198	035 71040
2014	100nF 10% 16V 0402	3198	035 71040
2015	100nF 10% 16V 0402	3198	035 71040
2016	100nF 10% 16V 0402	3198	035 71040
2017	100nF 10% 16V 0402	3198	035 71040
2018	100nF 10% 16V 0402	3198	035 71040
2019	47uF 20% 16V	2020	021 91617
2020	100pF 5% 50V 0402.	2238	869 15101
2021	10nF 10% 16V 0402.	2020	552 96628
2022	220pF 5% 50V 0402.	3198	035 02210
2023	220nF 10% 6.3V 0402.	2020	552 96718
2024	100uF 20% 16V.	2020	021 91557
2025	100nF 10% 16V 0402	3198	035 71040
2026	100nF 10% 16V 0402	3198	035 71040
2027	100nF 10% 16V 0402	3198	035 71040
2028	10nF 10% 16V 0402.	2020	552 96628
2029	100nF 10% 16V 0402	3198	035 71040
2030	100nF 10% 16V 0402	3198	035 71040
2031	100nF 10% 16V 0402	3198	035 71040
2032	100nF 10% 16V 0402	3198	035 71040
2033	220nF 10% 6.3V 0402.	2020	552 96718
2034	3.3nF 2% 50V 0805.	2020	552 00002
2035	100uF 20% 16V.	4822	124 12095
2037	10uF 10% 6.3V 0805	2020	552 96637
2040	10uF 16V	2020	021 91616
2041	220nF 10% 6.3V 0402.	2020	552 96718
2042	3.3nF 2% 50V 0805.	2020	552 00002
2043	100nF 10% 16V 0402	3198	035 71040
2044	220nF 10% 6.3V 0402.	2020	552 96718
2045	10nF 10% 16V 0402.	2020	552 96628
2046	1uF 10V 0603	3198	017 41050
2047	330uF 6.3V	2020	012 93761
2048	1uF 20% 6.3V 0402.	2020	552 96834
2052	1nF 10% 50V 0402	2020	552 96618

2053	1nF 10% 50V 0402	2020	552 96618
2054	1nF 10% 50V 0402	2020	552 96618
2060	100nF 10% 16V 0402	3198	035 71040
2061	10uF 16V	2020	021 91616
2062	3.3nF 2% 50V 0805.	2020	552 00002
2063	150nF 10V 0603	3198	017 31540
2068	220nF 10% 6.3V 0402.	2020	552 96718
2071	100uF 20% 16V.	2020	021 91557
2072	220nF 10% 6.3V 0402.	2020	552 96718
2073	1nF 10% 50V 0402	2020	552 96618
2074	220nF 10% 6.3V 0402.	2020	552 96718
2076	220nF 10% 6.3V 0402.	2020	552 96718
2077	1uF 20% 6.3V 0402.	2020	552 96834
2078	100pF 5% 50V 0402.	2238	869 15101
2079	22nF 10% 16V 0402.	2020	552 96632
2082	1nF 10% 50V 0402	2020	552 96618
2083	1nF 10% 50V 0402	2020	552 96618
2084	1nF 10% 50V 0402	2020	552 96618
2085	1nF 10% 50V 0402	2020	552 96618
2086	1nF 10% 50V 0402	2020	552 96618
2087	1nF 10% 50V 0402	2020	552 96618
2089	1nF 10% 50V 0402	2020	552 96618
2099	1nF 10% 50V 0402	2020	552 96618
2302	22pF 5% 50V.	4822	122 33761
2303	22pF 5% 50V.	4822	122 33761
2307	47nF 50V 0603.	3198	024 44730
2308	2.2uF 20% 50V.	3198	030 82280
2309	470uF 20% 16V.	2020	021 91871
2311	22uF 20% 35V	3198	030 72290
2313	1nF 25V 0603	3198	016 31020
2314	100nF 20% 50V 0603	2238	586 59812
2317	1nF 25V 0603	3198	016 31020
2318	1nF 25V 0603	3198	016 31020
2321	10nF 10% 50V 0603.	5322	126 11583
2324	10nF 10% 50V 0603.	5322	126 11583
2355	2.2uF 50V.	2020	021 91601
2356	2.2uF 50V.	2020	021 91601
2357	100nF 10% 16V 0402	3198	035 71040
2358	3.3nF 5% 50V 0402.	3198	035 03320
2359	10nF 10% 16V 0402.	2020	552 96628
2370	1uF 20% 6.3V 0402.	2020	552 96834
2371	1uF 20% 6.3V 0402.	2020	552 96834
2372	1nF 10% 50V 0402	2020	552 96618
2373	1nF 10% 50V 0402	2020	552 96618
2374	100nF 10% 16V 0402	3198	035 71040
2375	10uF 16V	2020	021 91616
2376	1uF 10V 0603	3198	017 41050
2377	1uF 10V 0603	3198	017 41050
2378	220nF 10% 6.3V 0402.	2020	552 96718
2379	220nF 10% 6.3V 0402.	2020	552 96718
2380	47uF 20% 16V	2020	021 91617
2381	100nF 10% 16V 0402	3198	035 71040
2382	470uF 20% 16V.	2020	021 91871
2386	1uF 10V 0603	3198	017 41050
2387	33pF 5% 50V 0402	4822	126 14324
2388	33pF 5% 50V 0402	4822	126 14324
2392	1uF 10V 0603	3198	017 41050
2394	100nF 10% 16V 0402	3198	035 71040
2395	100nF 10% 16V 0402	3198	035 71040
2396	10uF 16V	4822	124 23002
2397	1uF 20% 6.3V 0402.	2020	552 96834
2398	1uF 20% 6.3V 0402.	2020	552 96834
2401	47uF 16V	4822	124 80151
2402	47uF 16V	4822	124 80151
2403	100nF 10% 16V 0402	3198	035 71040
2404	100nF 10% 16V 0402	3198	035 71040
2405	100nF 10% 16V 0402	3198	035 71040
2406	100nF 10% 16V 0402	3198	035 71040
2407	100nF 10% 16V 0402	3198	035 71040
2408	100nF 10% 16V 0402	3198	035 71040
2409	100nF 10% 16V 0402	3198	035 71040
2410	100nF 10% 16V 0402	3198	035 71040
2411	100nF 10% 16V 0402	3198	035 71040
2412	100nF 10% 16V 0402	3198	035 71040
2413	100nF 10% 16V 0402	3198	035 71040
2414	100nF 10% 16V 0402	3198	035 71040
2415	100nF 10% 16V 0402	3198	035 71040
2416	100nF 10% 16V 0402	3198	035 71040
2417	47uF 16V	4822	124 80151
2418	47uF 16V	4822	124 80151
2419	100nF 10% 16V 0402	3198	035 71040
2420	100nF 10% 16V 0402	3198	035 71040
2421	100nF 10% 16V 0402	3198	035 71040
2422	100nF 10% 16V 0402	3198	035 71040
2423	100nF 10% 16V 0402	3198	035 71040
2424	100nF 10% 16V 0402	3198	035 71040
2425	100nF 10% 16V 0402	3198	035 71040
2426	100nF 10% 16V 0402	3198	035 71040
2427	100nF 10% 16V 0402	3198	035 71040
2428	100nF 10% 16V 0402	3198	035 71040
2429	100nF 10% 16V 0402	3198	035 71040
2430	100nF 10% 16V 0402	3198	035 71040

S = Safety Part Be sure to use exact replacement part.

# 26PF9966/37 (continued)

2431	100nF 10% 16V 0402	3198 035 71040	2610	100nF 10% 16V 0402	3198 035 71040
2432	100nF 10% 16V 0402	3198 035 71040	2611	47µF 6.3V	4822 124 11131
2433	100nF 10% 16V 0402	3198 035 71040	2612	10nF 10% 16V 0402	2020 552 96628
2434	47µF 16V	4822 124 80151	2613	10nF 10% 16V 0402	2020 552 96628
2435	47µF 16V	4822 124 80151	2614	10nF 10% 16V 0402	2020 552 96628
2436	100nF 10% 16V 0402	3198 035 71040	2615	10nF 10% 16V 0402	2020 552 96628
2437	100nF 10% 16V 0402	3198 035 71040	2616	10nF 10% 16V 0402	2020 552 96628
2438	100nF 10% 16V 0402	3198 035 71040	2617	10nF 10% 16V 0402	2020 552 96628
2439	100nF 10% 16V 0402	3198 035 71040	2618	10nF 10% 16V 0402	2020 552 96628
2440	100nF 10% 16V 0402	3198 035 71040	2619	33pF 5% 50V 0402	4822 126 14324
2441	100nF 10% 16V 0402	3198 035 71040	2620	100nF 20% 50V 0603	2238 586 59812
2442	100nF 10% 16V 0402	3198 035 71040	2621	1µF 20% 6.3V 0402	2020 552 96834
2443	100nF 10% 16V 0402	3198 035 71040	2622	1µF 20% 6.3V 0402	2020 552 96834
2444	100nF 10% 16V 0402	3198 035 71040	2623	1µF 20% 6.3V 0402	2020 552 96834
2445	100nF 10% 16V 0402	3198 035 71040	2624	470nF 10V 0603	3198 017 44740
2446	100nF 10% 16V 0402	3198 035 71040	2625	470nF 10V 0603	3198 017 44740
2447	100nF 10% 16V 0402	3198 035 71040	2626	470nF 10V 0603	3198 017 44740
2448	100nF 10% 16V 0402	3198 035 71040	2630	1µF 20% 6.3V 0402	2020 552 96834
2449	100nF 10% 16V 0402	3198 035 71040	2631	1µF 20% 6.3V 0402	2020 552 96834
2450	100nF 10% 16V 0402	3198 035 71040	2632	1µF 20% 6.3V 0402	2020 552 96834
2451	47µF 16V	4822 124 80151	2633	1µF 20% 6.3V 0402	2020 552 96834
2452	100nF 10% 16V 0402	3198 035 71040	2634	1µF 20% 6.3V 0402	2020 552 96834
2453	100nF 10% 16V 0402	3198 035 71040	2635	1µF 20% 6.3V 0402	2020 552 96834
2454	100nF 10% 16V 0402	3198 035 71040	2636	100nF 10% 16V 0402	3198 035 71040
2455	100nF 10% 16V 0402	3198 035 71040	2638	330pF 5% 50V 0402	3198 035 03310
2456	100nF 10% 16V 0402	3198 035 71040	2639	330pF 5% 50V 0402	3198 035 03310
2457	10µF 10% 16V 1210	2020 552 96675	2702	1µF 20% 6.3V 0402	2020 552 96834
2461	100nF 10% 16V 0402	3198 035 71040	2703	10µF 16V	2020 021 91616
2462	100nF 10% 16V 0402	3198 035 71040	2707	470µF 20% 16V	2020 021 91871
2463	100nF 10% 16V 0402	3198 035 71040	2708	1µF 20% 6.3V 0402	2020 552 96834
2464	100nF 10% 16V 0402	3198 035 71040	2710	470pF 50V 0402	3198 035 04710
2465	22µF 20% 35V	5322 124 41945	2711	470pF 50V 0402	3198 035 04710
2466	100nF 10% 16V 0402	3198 035 71040	2712	1µF 20% 6.3V 0402	2020 552 96834
2467	100nF 10% 16V 0402	3198 035 71040	2713	100nF 20% 50V 0603	2238 586 59812
2468	100nF 10% 16V 0402	3198 035 71040	2714	470µF 20% 16V	2020 021 91871
2469	100nF 10% 16V 0402	3198 035 71040	2715	470µF 20% 16V	2020 021 91871
2470	22µF 20% 35V	5322 124 41945	2718	1µF 20% 6.3V 0402	2020 552 96834
2471	100nF 10% 16V 0402	3198 035 71040	2719	100nF 20% 50V 0603	2238 586 59812
2472	100nF 10% 16V 0402	3198 035 71040	2735	1nF 10% 50V 0402	2020 552 96618
2473	100nF 10% 16V 0402	3198 035 71040	2736	1nF 10% 50V 0402	2020 552 96618
2474	100nF 10% 16V 0402	3198 035 71040	2737	1nF 10% 50V 0402	2020 552 96618
2475	100nF 10% 16V 0402	3198 035 71040	2738	1nF 10% 50V 0402	2020 552 96618
2476	100nF 10% 16V 0402	3198 035 71040	2739	470pF 50V 0402	3198 035 04710
2477	100nF 10% 16V 0402	3198 035 71040	2740	470pF 50V 0402	3198 035 04710
2478	22µF 20% 35V	5322 124 41945	2741	470pF 50V 0402	3198 035 04710
2479	100nF 10% 16V 0402	3198 035 71040	2742	470pF 50V 0402	3198 035 04710
2480	100nF 10% 16V 0402	3198 035 71040	2743	1µF 20% 6.3V 0402	2020 552 96834
2481	100nF 10% 16V 0402	3198 035 71040	2744	1µF 20% 6.3V 0402	2020 552 96834
2482	22µF 20% 35V	5322 124 41945	2745	100µF 20% 16V	2020 021 91557
2483	100nF 10% 16V 0402	3198 035 71040	2746	1µF 10V 0603	3198 017 41050
2484	100nF 10% 16V 0402	3198 035 71040	2803	22µF 6.3V	4822 124 23237
2485	100nF 10% 16V 0402	3198 035 71040	2804	1µF 10V 0603	3198 017 41050
2486	100nF 10% 16V 0402	3198 035 71040	2805	1µF 10V 0603	3198 017 41050
2487	22pF 5% 50V 0402	4822 126 14519	2806	22µF 6.3V	4822 124 23237
2488	22pF 5% 50V 0402	4822 126 14519	2807	100nF 10% 16V 0402	3198 035 71040
2490	100nF 20% 50V 0603	2238 586 59812	2808	100nF 10% 16V 0402	3198 035 71040
2491	100nF 20% 50V 0603	2238 586 59812	2809	10µF 16V	4822 124 23002
2492	100nF 20% 50V 0603	2238 586 59812	2810	22µF 6.3V	4822 124 23237
2495	47µF 16V	4822 124 80151	2811	1nF 10% 50V 0402	2020 552 96618
2496	100nF 10% 16V 0402	3198 035 71040	2812	100nF 10% 16V 0402	3198 035 71040
2501	47µF 16V	4822 124 80151	2813	10µF 10% 16V 1210	2020 552 96675
2502	47µF 6.3V	4822 124 11131	2814	100nF 10% 16V 0402	3198 035 71040
2503	100nF 10% 16V 0402	3198 035 71040	2815	1nF 10% 50V 0402	2020 552 96618
2504	100nF 10% 16V 0402	3198 035 71040	2816	100nF 10% 16V 0402	3198 035 71040
2505	100nF 10% 16V 0402	3198 035 71040	2817	1nF 10% 50V 0402	2020 552 96618
2506	100nF 10% 16V 0402	3198 035 71040	2818	10µF 10% 16V 1210	2020 552 96675
2507	100nF 10% 16V 0402	3198 035 71040	2819	100nF 10% 16V 0402	3198 035 71040
2508	100nF 10% 16V 0402	3198 035 71040	2820	1nF 10% 50V 0402	2020 552 96618
2509	100nF 10% 16V 0402	3198 035 71040	2821	1nF 10% 50V 0402	2020 552 96618
2510	100nF 10% 16V 0402	3198 035 71040	2822	1nF 10% 50V 0402	2020 552 96618
2511	100nF 10% 16V 0402	3198 035 71040	2823	1nF 10% 50V 0402	2020 552 96618
2512	100nF 10% 16V 0402	3198 035 71040	2824	100nF 10% 16V 0402	3198 035 71040
2513	100nF 10% 16V 0402	3198 035 71040	2825	1nF 10% 50V 0402	2020 552 96618
2514	100nF 10% 16V 0402	3198 035 71040	2826	1nF 10% 50V 0402	2020 552 96618
2515	100nF 10% 16V 0402	3198 035 71040	2827	1nF 10% 50V 0402	2020 552 96618
2516	100nF 10% 16V 0402	3198 035 71040	2828	1nF 10% 50V 0402	2020 552 96618
2517	100nF 10% 16V 0402	3198 035 71040	2829	1nF 10% 50V 0402	2020 552 96618
2530	10µF 16V	4822 124 23002	2830	1nF 10% 50V 0402	2020 552 96618
2531	100nF 10% 16V 0402	3198 035 71040	2832	1nF 10% 50V 0402	2020 552 96618
2532	100nF 10% 16V 0402	3198 035 71040	2833	47µF 6.3V	4822 124 11131
2533	100nF 10% 16V 0402	3198 035 71040	2834	47µF 6.3V	4822 124 11131
2560	100nF 10% 16V 0402	3198 035 71040	2835	100nF 10% 16V 0402	3198 035 71040
2561	100µF 20% 16V	4822 124 12095	2836	100nF 10% 16V 0402	3198 035 71040
2562	100nF 10% 16V 0402	3198 035 71040	2837	10µF 10% 16V 1210	2020 552 96675
2563	4.7nF 5% 25V 0402	3198 035 14720	2838	10nF 16V 0402	3198 035 71030
2564	10µF 20% 25V 1210	2020 552 96656	2839	47nF 5% 16V 0402	3198 035 74730
2601	100nF 10% 16V 0402	3198 035 71040	2840	10µF 10% 16V 1210	2020 552 96675
2605	100nF 10% 16V 0402	3198 035 71040	2841	1µF 10V 0603	3198 017 41050
2606	100nF 10% 16V 0402	3198 035 71040	2842	1µF 10V 0603	3198 017 41050
2607	100nF 10% 16V 0402	3198 035 71040	2843	47µF 6.3V	4822 124 11131
2608	100nF 10% 16V 0402	3198 035 71040	2844	100nF 10% 16V 0402	3198 035 71040
2609	100nF 10% 16V 0402	3198 035 71040	2845	10nF 16V 0402	3198 035 71030

S = Safety Part Be sure to use exact replacement part.



# 26PF9966/37 (continued)

2846	10nF 16V 0402 . . . . .	3198 035 71030	3063	1k ohms 5% 0402 . . . . .	4822 117 13548
2847	1µF 10V 0603 . . . . .	3198 017 41050	3064	100 ohms 1% 0402 . . . . .	4822 117 13545
2848	1µF 10V 0603 . . . . .	3198 017 41050	3065	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2849	10nF 10% 16V 0402 . . . . .	2020 552 96628	3066	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2860	18pF 5% 50V 0402 . . . . .	2238 869 15189	3067	100 ohms 1% 0402 . . . . .	4822 117 13545
2861	18pF 5% 50V 0402 . . . . .	2238 869 15189	3068	1k ohms 5% 0402 . . . . .	4822 117 13548
2862	18pF 5% 50V 0402 . . . . .	2238 869 15189	3069	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2863	18pF 5% 50V 0402 . . . . .	2238 869 15189	3070	100 ohms 1% 0402 . . . . .	4822 117 13545
2864	18pF 5% 50V 0402 . . . . .	2238 869 15189	3071	100 ohms 1% 0402 . . . . .	4822 117 13545
2865	18pF 5% 50V 0402 . . . . .	2238 869 15189	3073	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
2866	18pF 5% 50V 0402 . . . . .	2238 869 15189	3074	100k ohms 5% 0.1W . . . . .	4822 117 11297
2867	18pF 5% 50V 0402 . . . . .	2238 869 15189	3075	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2868	18pF 5% 50V 0402 . . . . .	2238 869 15189	3076	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
2869	18pF 5% 50V 0402 . . . . .	2238 869 15189	3077	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2909	330µF10V . . . . .	2020 021 90913	3078	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2910	470pF 50V 0402 . . . . .	3198 035 04710	3079	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2911	22µF 20% 35V . . . . .	2022 031 00308	3080	1k ohms 1% . . . . .	2322 704 61002
2920	47µF 16V . . . . .	4822 124 80151	3081	100 ohms 1% 0402 . . . . .	4822 117 13545
2921	47µF 16V . . . . .	4822 124 80151	3082	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2930	470µF 20% 16V . . . . .	2020 021 91871	3083	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2931	470pF 50V 0402 . . . . .	3198 035 04710	3084	100 ohms 1% 0402 . . . . .	4822 117 13545
2933	470µF 20% 16V . . . . .	2020 021 91871	3085	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2934	4.7nF 10% 50V 0402 . . . . .	2020 552 96793	3086	2.2k ohms 5% 0.01W 0402 . . . . .	4822 117 13602
2935	470µF 20% 16V . . . . .	2020 021 91871	3087	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2937	1nF 10% 50V 0402 . . . . .	2020 552 96618	3088	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2938	1nF 10% 50V 0402 . . . . .	2020 552 96618	3089	150k ohms 5% 0402 . . . . .	3198 031 01540
2939	1nF 10% 50V 0402 . . . . .	2020 552 96618	3091	100 ohms 1% 0402 . . . . .	4822 117 13545
2940	1nF 10% 50V 0402 . . . . .	2020 552 96618	3092	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2941	1nF 10% 50V 0402 . . . . .	2020 552 96618	3093	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2942	1nF 10% 50V 0402 . . . . .	2020 552 96618	3094	10 ohms 5% 0.01W 0402 . . . . .	3198 031 01090
2953	470µF 20% 16V . . . . .	2020 021 91871	3096	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2955	4.7nF 5% 25V 0402 . . . . .	3198 035 14720	3097	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2956	220pF 5% 50V 0402 . . . . .	3198 035 02210	3302	100 ohms 5% 0.062W . . . . .	4822 051 30101
2957	470µF 20% 16V . . . . .	2020 021 91871	3303	100 ohms 5% 0.062W . . . . .	4822 051 30101
2958	470µF 20% 16V . . . . .	2020 021 91871	3304	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2959	100nF 10% 16V 0402 . . . . .	3198 035 71040	3305	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2960	47µF 16V . . . . .	4822 124 80151	3309	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2961	10nF 16V 0402 . . . . .	3198 035 71030	3314	100k ohms 1% 0603 0.62W . . . . .	4822 117 13632
2962	100nF 10% 16V 0402 . . . . .	3198 035 71040	3315	150k ohms 5% 0.062W . . . . .	4822 051 30154
2964	1nF 10% 50V 0402 . . . . .	2020 552 96618	3316	820 ohms 5% 0.62W . . . . .	4822 117 12968
2965	1nF 10% 50V 0402 . . . . .	2020 552 96618	3317	560 ohms 5% 0.062W . . . . .	4822 051 30561
2966	1nF 10% 50V 0402 . . . . .	2020 552 96618	3319	27k ohms 5% 0.062W . . . . .	4822 051 30273
2968	1nF 10% 50V 0402 . . . . .	2020 552 96618	3320	18k ohms 5% 0.062W . . . . .	4822 051 30183
2969	1nF 10% 50V 0402 . . . . .	2020 552 96618	3321	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2970	1nF 10% 50V 0402 . . . . .	2020 552 96618	3322	6.8 ohms 5% 0.062W . . . . .	4822 051 30682
2992	100nF 10% 16V 0402 . . . . .	3198 035 71040	3323	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2993	1nF 10% 50V 0402 . . . . .	2020 552 96618	3327	1k ohms 5% 0402 . . . . .	4822 117 13548
2994	470µF 20% 16V . . . . .	2020 021 91871	3328	100 ohms 1% 0402 . . . . .	4822 117 13545
2995	100nF 10% 16V 0402 . . . . .	3198 035 71040	3329	100 ohms 1% 0402 . . . . .	4822 117 13545
2996	47µF 16V . . . . .	4822 124 80151	3357	1k ohms 5% 0402 . . . . .	4822 117 13548
3000	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3358	100 ohms 1% 0402 . . . . .	4822 117 13545
3001	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3359	390 ohms 1% 0402 . . . . .	3198 031 03910
3002	22k ohms 5% 0402 . . . . .	4822 117 13601	3370	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
3003	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3371	100 ohms 1% 0402 . . . . .	4822 117 13545
3004	22k ohms 5% 0402 . . . . .	4822 117 13601	3372	100 ohms 1% 0402 . . . . .	4822 117 13545
3006	100 ohms 1% 0402 . . . . .	4822 117 13545	3374	10 ohms 5% . . . . .	5322 117 11726
3007	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3378	100 ohms 1% 0402 . . . . .	4822 117 13545
3008	47 ohms 5% 0402 . . . . .	3198 031 04730	3380	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3009	100k ohms 5% 0.1W . . . . .	4822 117 11297	3381	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3010	1k ohms 5% 0402 . . . . .	4822 117 13548	3382	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3013	100 ohms 1% 0402 . . . . .	4822 117 13545	3383	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3014	Jumper 0402 . . . . .	4822 117 13605	3386	100 ohms 1% 0402 . . . . .	4822 117 13545
3015	Jumper 0402 . . . . .	4822 117 13605	3389	100 ohms 1% 0402 . . . . .	4822 117 13545
3016	100 ohms 1% 0402 . . . . .	4822 117 13545	3390	100 ohms 1% 0402 . . . . .	4822 117 13545
3017	Jumper 0402 . . . . .	4822 117 13605	3391	100 ohms 1% 0402 . . . . .	4822 117 13545
3019	100 ohms 1% 0402 . . . . .	4822 117 13545	3392	100 ohms 1% 0402 . . . . .	4822 117 13545
3020	1k ohms 5% 0402 . . . . .	4822 117 13548	3393	100 ohms 1% 0402 . . . . .	4822 117 13545
3021	2.7k ohms 1% 0402 . . . . .	2322 706 72702	3394	75 ohms 5% 0402 . . . . .	3198 031 07590
3022	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3401	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3023	5.6k ohms 5% 0.01W 0402 . . . . .	3198 031 05620	3402	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3024	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3403	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3025	56k ohms 1% 0402 . . . . .	2322 706 75603	3404	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3026	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530	3405	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3027	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3406	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3028	100k ohms 5% 0.1W . . . . .	4822 117 11297	3407	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3029	1k ohms 5% 0402 . . . . .	4822 117 13548	3408	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3030	100k ohms 5% 0.1W . . . . .	4822 117 11297	3409	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3032	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240	3410	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3035	100 ohms 1% 0402 . . . . .	4822 117 13545	3411	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3037	82k ohms 5% 0402 . . . . .	3198 031 08230	3412	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3048	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3413	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3049	100 ohms 1% 0402 . . . . .	4822 117 13545	3414	33 ohms 1% 0402 . . . . .	3198 031 03390
3050	100 ohms 1% 0402 . . . . .	4822 117 13545	3422	33 ohms 1% 0402 . . . . .	3198 031 03390
3051	100 ohms 1% 0402 . . . . .	4822 117 13545	3423	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3052	Jumper 0402 . . . . .	4822 117 13605	3424	150 ohms 1% 0603 . . . . .	2322 704 61501
3054	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3425	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3057	820 ohms 0402 . . . . .	2322 706 78201	3426	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3058	470 ohms 5% 0402 . . . . .	4822 117 13543	3432	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3059	1k ohms 5% 0402 . . . . .	4822 117 13548	3433	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3060	39k ohms 5% 0402 . . . . .	3198 031 03930	3434	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3061	1.8k ohms 5% 0.01W 0402 . . . . .	3198 031 01820	3436	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3062	Jumper 0402 . . . . .	4822 117 13605	3437	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606

S = Safety Part Be sure to use exact replacement part.

# 26PF9966/37 (continued)

3438	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3737	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3439	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3738	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3440	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3739	22k ohms 5% 0402 . . . . .	4822 117 13601
3441	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3740	22k ohms 5% 0402 . . . . .	4822 117 13601
3442	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3741	100k ohms 5% 0.1W. . . . .	4822 117 11297
3443	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3742	22k ohms 5% 0402 . . . . .	4822 117 13601
3444	47 ohms 5% 0402. . . . .	3198 031 04730	3743	22k ohms 5% 0402 . . . . .	4822 117 13601
3446	100 ohms 1% 0.063W 0603. . . . .	5322 117 13017	3744	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3447	33 ohms 1% 0402. . . . .	3198 031 03390	3745	100k ohms 5% 0.1W. . . . .	4822 117 11297
3448	10 ohms 5% 0.01W 0402. . . . .	3198 031 01090	3746	100k ohms 5% 0.1W. . . . .	4822 117 11297
3450	47 ohms 5% 0402. . . . .	3198 031 04730	3747	100k ohms 5% 0.1W. . . . .	4822 117 11297
3451	4.7k ohms 5% 0402. . . . .	3198 031 04720	3748	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3452	4.7k ohms 5% 0402. . . . .	3198 031 04720	3749	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3501	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3750	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3502	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3751	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3503	150 ohms 1% 0603 . . . . .	2322 704 61501	3801	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3531	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3802	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3532	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3803	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3534	1k ohms 5% 0402. . . . .	4822 117 13548	3804	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3536	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3805	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3538	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3806	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3539	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3807	33 ohms 1% 0402. . . . .	3198 031 03390
3540	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3808	4.7k ohms 5% 0402. . . . .	3198 031 04720
3544	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3809	4.7k ohms 5% 0402. . . . .	3198 031 04720
3545	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3810	4.7k ohms 5% 0402. . . . .	3198 031 04720
3546	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3813	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3547	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3815	100 ohms 1% 0402 . . . . .	4822 117 13545
3548	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3816	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3551	Jumper 0603. . . . .	4822 051 30008	3817	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3552	Jumper 0603. . . . .	4822 051 30008	3819	100 ohms 1% 0402 . . . . .	4822 117 13545
3560	100k ohms 5% 0.1W. . . . .	4822 117 11297	3821	33 ohms 1% 0402. . . . .	3198 031 03390
3561	100k ohms 5% 0.1W. . . . .	4822 117 11297	3822	4.7k ohms 5% 0402. . . . .	3198 031 04720
3562	100k ohms 5% 0.1W. . . . .	4822 117 11297	3823	4.7k ohms 5% 0402. . . . .	3198 031 04720
3563	1k ohms 5% 0402. . . . .	4822 117 13548	3824	100 ohms 1% 0402 . . . . .	4822 117 13545
3564	1k ohms 5% 0402. . . . .	4822 117 13548	3825	100 ohms 1% 0402 . . . . .	4822 117 13545
3565	1.2k ohms 5% 0.01W 0402. . . . .	3198 031 01220	3826	1 ohms 5% 0.062W . . . . .	4822 117 12917
3566	1k ohms 5% 0402. . . . .	4822 117 13548	3827	1 ohms 5% 0.062W . . . . .	4822 117 12917
3605	100 ohms 1% 0402 . . . . .	4822 117 13545	3829	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3606	100 ohms 1% 0402 . . . . .	4822 117 13545	3830	33 ohms 1% 0402. . . . .	3198 031 03390
3607	100 ohms 1% 0402 . . . . .	4822 117 13545	3831	3.9k ohms 5% 0402. . . . .	3198 031 03920
3608	100 ohms 1% 0402 . . . . .	4822 117 13545	3833	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3609	100 ohms 1% 0402 . . . . .	4822 117 13545	3834	100 ohms 1% 0402 . . . . .	4822 117 13545
3610	22k ohms 5% 0402 . . . . .	4822 117 13601	3835	390 ohms 1% 0402 . . . . .	3198 031 03910
3612	470 ohms 5% 0402 . . . . .	4822 117 13543	3836	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3613	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3837	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3614	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3838	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3615	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3839	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3616	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3910	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602
3617	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3911	1k ohms 5% 0402. . . . .	4822 117 13548
3618	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3930	1 ohms 5% 0.062W . . . . .	4822 117 12917
3619	820 ohms 5% 0.5W . . . . .	3198 031 08210	3931	1 ohms 5% 0.062W . . . . .	4822 117 12917
3620	100k ohms 1% 0603 0.62W. . . . .	4822 117 13632	3932	1k ohms 1% . . . . .	2322 704 61002
3621	100k ohms 5% 0.1W. . . . .	4822 117 11297	3933	3.3k ohms 1% 0603. . . . .	2322 704 63302
3622	100k ohms 5% 0.1W. . . . .	4822 117 11297	3951	1 ohms 5% 0.062W . . . . .	4822 117 12917
3623	100k ohms 5% 0.1W. . . . .	4822 117 11297	3952	1 ohms 5% 0.062W . . . . .	4822 117 12917
3624	100k ohms 5% 0.1W. . . . .	4822 117 11297	3953	1k ohms 1% . . . . .	2322 704 61002
3625	100k ohms 5% 0.1W. . . . .	4822 117 11297	3954	3.3k ohms 1% 0603. . . . .	2322 704 63302
3626	100k ohms 5% 0.1W. . . . .	4822 117 11297	3955	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3633	100 ohms 1% 0402 . . . . .	4822 117 13545	3958	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
3634	100 ohms 1% 0402 . . . . .	4822 117 13545	4002	Jumper 0402. . . . .	4822 117 13605
3635	100 ohms 1% 0402 . . . . .	4822 117 13545	4004	Jumper 0402. . . . .	4822 117 13605
3640	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602	4005	Jumper 0402. . . . .	4822 117 13605
3641	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4006	Jumper 0402. . . . .	4822 117 13605
3642	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4007	Jumper 0402. . . . .	4822 117 13605
3643	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4008	Jumper 0402. . . . .	4822 117 13605
3644	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4010	Jumper 0402. . . . .	4822 117 13605
3645	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4011	Jumper 0402. . . . .	4822 117 13605
3646	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4012	Jumper 0402. . . . .	4822 117 13605
3703	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4313	Jumper 0603. . . . .	4822 051 30008
3706	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4318	Jumper 0603. . . . .	4822 051 30008
3711	39 ohms 5% 0402. . . . .	2322 705 70399	4327	Jumper 0603. . . . .	4822 051 30008
3711	Jumper 0402. . . . .	4822 117 13605	4331	Jumper 0603. . . . .	4822 051 30008
3712	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4340	Jumper 0603. . . . .	4822 051 30008
3714	12k ohms 5% 0402 . . . . .	3198 031 01230	4360	Jumper 0402. . . . .	4822 117 13605
3714	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4361	Jumper 0402. . . . .	4822 117 13605
3715	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4362	Jumper 0402. . . . .	4822 117 13605
3717	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4363	Jumper 0402. . . . .	4822 117 13605
3718	39 ohms 5% 0402. . . . .	2322 705 70399	4428	Jumper 0603. . . . .	4822 051 30008
3718	Jumper 0402. . . . .	4822 117 13605	4445	Jumper 0603. . . . .	4822 051 30008
3719	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4601	Jumper 0402. . . . .	4822 117 13605
3722	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4602	Jumper 0402. . . . .	4822 117 13605
3725	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4603	Jumper 0402. . . . .	4822 117 13605
3726	12k ohms 5% 0402 . . . . .	3198 031 01230	4608	Jumper 0402. . . . .	4822 117 13605
3726	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4636	Jumper 0402. . . . .	4822 117 13605
3727	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4708	Jumper 0402. . . . .	4822 117 13605
3730	6.8k ohms 5% 0.01W 0402. . . . .	3198 031 06820	5001	1000µF 20% 7032. . . . .	2422 536 00667
3730	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	5002	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3731	470 ohms 5% 0402 . . . . .	4822 117 13543	5003	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3732	1k ohms 5% 0402. . . . .	4822 117 13548	5004	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3733	470 ohms 5% 0402 . . . . .	4822 117 13543	5005	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3735	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5006	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3736	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5007	Bead 30 ohms at 100MHz . . . . .	4822 157 11716

S = Safety Part Be sure to use exact replacement part.

5008	Bead 30 ohms at 100MHz	4822 157 11716	7531	M24C32-WMN6TNKSA	9322 156 81668
5060	Bead 30 ohms at 100MHz	4822 157 11716	7532	NE56610-27GW	9352 691 71115
5070	Bead 30 ohms at 100MHz	4822 157 11716	7560	TDA9178T/N1	9352 334 10118
5071	Bead 120 ohms 100MHz	2422 549 42896	7562	L7808CD2T	9322 199 24668
5072	Bead 120 ohms 100MHz	2422 549 42896	7563	PMBT2369	4822 209 73852
5304	Bead 60 ohms at 100MHz	4822 157 11499	7604	74LVC14APW	9352 607 39118
5309	12uH 10%	3198 018 31290	7605	74HC4053D	4822 209 60792
5321	0.39uF 10% 0805	3198 018 33970	7606	ADG781BCP	9322 199 56668
5324	0.68uH	4822 157 71334	7607	SM5301BS-G	9322 199 80668
5370	Bead 30 ohms at 100MHz	4822 157 11716	7640	PDTC114ET	4822 130 11155
5371	Bead 30 ohms at 100MHz	4822 157 11716	7702	BC847BS	9340 425 20115
5372	Bead 220 ohms at 100MHz	2422 549 44197	7703	BC847BS	9340 425 20115
5530	Bead 120 ohms 100MHz	2422 549 45333	7706	74HC08PW	9351 742 70118
5560	Bead 30 ohms at 100MHz	4822 157 11716	7708	PUMH7	9340 550 49115
5605	Bead 120 ohms 100MHz	2422 549 45333	7709	TDA7297D	9322 206 09668
5607	Bead 120 ohms 100MHz	2422 549 45333	7710	BC847BW	3198 010 42310
5636	Bead 120 ohms 100MHz	2422 549 45333	7740	TS482ID	9322 183 05668
5646	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01432
5801	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01442
5802	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01452
5803	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01561
5804	Bead 120 ohms 100MHz	2422 549 42896	7801	Softw. (See Prod.Surv.)	3139 127 01581
5805	Bead 120 ohms 100MHz	2422 549 42896	7806	BSN20	9965 000 04199
5909	100 Mhz 0603	2422 549 45843	7807	BSN20	9965 000 04199
5910	1000uF 20% 7032	2422 536 00667	7808	SI9993CTG100	9322 199 35671
5920	Bead 120 ohms 100MHz	2422 549 45333	7809	UDAI334BT/N2	9352 703 94118
5930	10uH 20% 0805	2422 535 94134	7810	HEF4053BT	5322 209 14481
5931	220uF 20%	2422 536 00689	7910	BC817-25	4822 130 42804
5932	10uH 20% 0805	2422 535 94134	7920	L78M08CDT	9322 163 24668
5952	10uH 20% 0805	2422 535 94134	7930	MC34063AD	5322 209 90529
5953	220uF 20%	2422 536 00689	7952	MC34063AD	5322 209 90529
5954	10uH 20% 0805	2422 535 94134	7953	L4940D2T12	9322 199 25668
5956	Bead 120 ohms 100MHz	2422 549 45333	7954	SI12301DS	9322 157 51685
5958	Bead 120 ohms 100MHz	2422 549 45333	7955	PDTC114ET	4822 130 11155
5959	Bead 120 ohms 100MHz	2422 549 45333	7992	LF25CDT	9322 142 88668
5984	Bead 120 ohms 100MHz	2422 549 45333	7995	LD1086D2T18	9322 189 19668
5985	Bead 120 ohms 100MHz	2422 549 45333	8002	Cable 20p/150/20p	3139 131 04261
5986	Bead 120 ohms 100MHz	2422 549 45333			
5987	Bead 120 ohms 100MHz	2422 549 45333			
5988	Bead 120 ohms 100MHz	2422 549 45333			
5989	Bead 120 ohms 100MHz	2422 549 45333			
5990	Bead 120 ohms 100MHz	2422 549 45333			
5991	Bead 120 ohms 100MHz	2422 549 45333			
5994	Bead 120 ohms 100MHz	2422 549 45333			
5996	Bead 120 ohms 100MHz	2422 549 45333			
5997	Bead 120 ohms 100MHz	2422 549 45333			
5998	Bead 120 ohms 100MHz	2422 549 45333			
6001	BAS316	4822 130 11397			
6020	BAS316	4822 130 11397			
6021	BAS316	4822 130 11397			
6073	BAT54	4822 130 80			

## 26PF9966/37 (continued)

2889	10µF 16V . . . . .	4822	124	23002	5889	Bead 120 ohms at 100MHz. . . . .	4822	157	11506
2890	100nF 20% 50V 0603 . . . . .	2238	586	59812	5890	10µH 5% 1210 . . . . .	4822	157	71314
2891	10µF 16V . . . . .	4822	124	23002	5891	15µF 5% 1008 . . . . .	3198	018	61590
2892	10nF 10% 50V 0603. . . . .	5322	126	11583	6875	1P576SB10. . . . .	4822	130	11528
2893	150pF 10% 50V 0603 . . . . .	3198	016	31510	6876	BA517. . . . .	4822	130	81289
2894	150pF 10% 50V 0603 . . . . .	3198	016	31510	7800	BC847BW. . . . .	3198	010	42310
2895	10nF 10% 50V 0603. . . . .	5322	126	11583	7801	BC857BW. . . . .	3198	010	42320
2896	10µF 16V . . . . .	4822	124	23002	7802	BF570. . . . .	4822	130	62755
2897	150pF 10% 50V 0603 . . . . .	3198	016	31510	7803	BC857BW. . . . .	3198	010	42320
3801	33 ohms 5% 0.062W. . . . .	4822	051	30339	7807	BC857BW. . . . .	3198	010	42320
3802	Jumper 0603. . . . .	4822	051	30008	7808	BC847BW. . . . .	3198	010	42310
3803	1k ohms 5% 0.062W. . . . .	4822	051	30102	7809	BC847BW. . . . .	3198	010	42310
3804	47 ohms 5% 0.062W. . . . .	4822	051	30479	7812	BF550. . . . .	4822	130	42131
3805	100 ohms 5% 0.062W. . . . .	4822	051	30101	7816	BC847BW. . . . .	3198	010	42310
3806	120 ohms 5% 0.062W. . . . .	4822	051	30121	7817	BC857BW. . . . .	3198	010	42320
3807	120 ohms 5% 0.062W. . . . .	4822	051	30121	7818	BF570. . . . .	4822	130	62755
3808	120 ohms 5% 0.062W. . . . .	4822	051	30121	7823	UPD64083GF . . . . .	9322	170	65671
3809	330 ohms 5% 0.062W. . . . .	4822	051	30331	7837	BC857BW. . . . .	3198	010	42320
3810	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	7851	LF25CDT. . . . .	9322	142	88668
3811	560 ohms 5% 0.062W. . . . .	4822	051	30561	7860	BC847BW. . . . .	3198	010	42310
3812	10 ohms 5% 0.062W. . . . .	4822	051	30109	7861	BC857BW. . . . .	3198	010	42320
3813	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	7862	BC847BW. . . . .	3198	010	42310
3814	10 ohms 5% 0.062W. . . . .	4822	051	30109	7875	LM809M3X-3.08. . . . .	9322	163	48668
3815	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903	7890	BC847BW. . . . .	3198	010	42310
3816	47 ohms 5% 0.062W. . . . .	4822	051	30479	8800	Cable foil 10p/200/10p . . . . .	3139	131	04031
3817	1k ohms 5% 0.062W. . . . .	4822	051	30102	8800	Cable foil 10p/180 shielded. . . . .	3139	131	04771
3818	Jumper 0603. . . . .	4822	051	30008					
3819	47 ohms 5% 0.062W. . . . .	4822	051	30479	<b>Side I/O Parts [D]</b>				
3820	330 ohms 5% 0.062W. . . . .	4822	051	30331		Side I/O Parts [D]			
3821	180 ohms 5% 0.062W. . . . .	4822	051	30181	0229	FACTORY PLATE. . . . .	3122	120	01701
3822	120 ohms 5% 0.062W. . . . .	4822	051	30121	1301	20P Female . . . . .	2422	025	14531
3823	120 ohms 5% 0.062W. . . . .	4822	051	30121	1302	Connector 6p f . . . . .	2422	025	04854
3824	330 ohms 5% 0.062W. . . . .	4822	051	30331	1306	Connector Phone. . . . .	2422	026	05059
3825	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1307	YKF51-5359 . . . . .	4822	267	10484
3826	560 ohms 5% 0.062W. . . . .	4822	051	30561	1308	Soc phone 1P . . . . .	2422	026	05513
3827	10 ohms 5% 0.062W. . . . .	4822	051	30109	1309	Tact switch. . . . .	4822	276	13202
3828	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	1310	Tact switch. . . . .	4822	276	13202
3829	10 ohms 5% 0.062W. . . . .	4822	051	30109	1311	Tact switch. . . . .	4822	276	13202
3830	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1312	Tact switch. . . . .	4822	276	13202
3832	12k ohms 5% 0.1W . . . . .	4822	051	30123	1313	Tact switch. . . . .	4822	276	13202
3833	10 ohms 5% 0.062W. . . . .	4822	051	30109	2301	1µF 10V 0603 . . . . .	3198	017	41050
3834	47 ohms 5% 0.062W. . . . .	4822	051	30471	2302	330pF 0603 50V . . . . .	4822	126	14241
3835	47 ohms 5% 0.062W. . . . .	4822	051	30471	2303	1µF 10V 0603 . . . . .	3198	017	41050
3836	10 ohms 5% 0.062W. . . . .	4822	051	30109	2304	330pF 0603 50V . . . . .	4822	126	14241
3837	560 ohms 5% 0.062W. . . . .	4822	051	30561	2305	330pF 0603 50V . . . . .	4822	126	14241
3838	1k ohms 5% 0.062W. . . . .	4822	051	30102	2306	330pF 0603 50V . . . . .	4822	126	14241
3839	560 ohms 5% 0.062W. . . . .	4822	051	30561	2326	1µF 10V 0603 . . . . .	3198	017	41050
3841	820 ohms 5% 0.62W. . . . .	4822	117	12968	3301	330 ohms 5% 0.062W . . . . .	4822	051	30331
3842	3.3 ohms 5% 0.062W. . . . .	4822	051	30332	3302	33 ohms 5% 0.062W. . . . .	4822	051	30339
3843	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	3303	220 ohms 5% 0.062W . . . . .	4822	051	30221
3844	10 ohms 5% 0.062W. . . . .	4822	051	30109	3304	22k ohms 5% 0.062W . . . . .	4822	051	30223
3847	12k ohms 5% 0.1W . . . . .	4822	051	30123	3305	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3855	1 ohms 5% . . . . .	4822	117	11151	3306	75 ohms 5% 0.062W. . . . .	4822	051	30759
3860	47 ohms 5% 0.062W. . . . .	4822	051	30471	3307	22k ohms 5% 0.062W . . . . .	4822	051	30223
3861	4.7 ohms 5% 0.062W. . . . .	4822	051	30472	3308	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3862	27k ohms 5% 0.062W. . . . .	4822	051	30273	3316	33 ohms 5% 0.062W. . . . .	4822	051	30339
3863	1k ohms 5% 0.062W. . . . .	4822	051	30102	3318	150 ohms 5% 0.062W . . . . .	4822	051	30151
3864	220 ohms 5% 0.062W. . . . .	4822	051	30221	3319	390 ohms 5% 0.062W . . . . .	4822	051	30391
3865	2.2k ohms 5% 0.062W. . . . .	4822	051	30222	3320	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903
3866	220k ohms 1% . . . . .	4822	117	12891	3321	820 ohms 5% 0.62W. . . . .	4822	117	12968
3867	47 ohms 5% 0.062W. . . . .	4822	051	30471	3322	Jumper 0603. . . . .	4822	051	30008
3875	220 ohms 5% 0.062W. . . . .	4822	051	30221	3323	Jumper 0603. . . . .	4822	051	30008
3876	150 ohms 5% 0.062W. . . . .	4822	051	30151	3325	75 ohms 5% 0.062W. . . . .	4822	051	30759
3878	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3326	1k ohms 5% 0.062W. . . . .	4822	051	30102
3879	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3327	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632
3881	47 ohms 5% 0.062W. . . . .	4822	051	30479	3328	100 ohms 5% 0.062W . . . . .	4822	051	30101
3882	47 ohms 5% 0.062W. . . . .	4822	051	30479	3329	56k ohms 5% 0.062W . . . . .	4822	051	30563
3883	1k ohms 5% 0.062W. . . . .	4822	051	30102	4301	Jumper 0603. . . . .	4822	051	30008
3884	220 ohms 5% 0.062W. . . . .	4822	051	30221	4304	Jumper 0603. . . . .	4822	051	30008
3890	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	4305	Jumper 0603. . . . .	4822	051	30008
3891	10 ohms 5% 0.062W. . . . .	4822	051	30109	4311	Jumper 0603. . . . .	4822	051	30008
3892	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	4312	Jumper 0603. . . . .	4822	051	30008
3893	47 ohms 5% 0.062W. . . . .	4822	051	30471	4313	Jumper 0603. . . . .	4822	051	30008
3894	47 ohms 5% 0.062W. . . . .	4822	051	30471	4320	Jumper 0603. . . . .	4822	051	30008
3895	1k ohms 5% 0.062W. . . . .	4822	051	30102	4322	Jumper 0603. . . . .	4822	051	30008
3896	100 ohms 5% 0.062W. . . . .	4822	051	30101	4323	Jumper 0603. . . . .	4822	051	30008
5801	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4324	Jumper 0603. . . . .	4822	051	30008
5802	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4325	Jumper 0603. . . . .	4822	051	30008
5804	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4326	Jumper 0603. . . . .	4822	051	30008
5806	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4327	Jumper 0603. . . . .	4822	051	30008
5832	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4329	Jumper 0603. . . . .	4822	051	30008
5835	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4330	Jumper 0603. . . . .	4822	051	30008
5840	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4331	Jumper 0603. . . . .	4822	051	30008
5841	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4332	Jumper 0603. . . . .	4822	051	30008
5849	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4333	Jumper 0603. . . . .	4822	051	30008
5851	10µH 5% 1210 . . . . .	4822	157	71314	4334	Jumper 0603. . . . .	4822	051	30008
5852	10µH 5% 1210 . . . . .	4822	157	71314	4335	Jumper 0603. . . . .	4822	051	30008
5855	10µH 5% 1210 . . . . .	4822	157	71314	4337	Jumper 0603. . . . .	4822	051	30008
5856	10µH 5% . . . . .	2422	536	00215	6306	UD24.7B. . . . .	4822	130	11148
5860	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	7326	BC856B . . . . .	4822	130	60373
5870	10µH 5% 1210 . . . . .	4822	157	71314	8540	Cable 6P . . . . .	3139	131	03641
5888	10µH 5% . . . . .	2422	536	00215					

### Front LED Panel Parts [J]

Front LED Panel Parts [J]

## 26PF9966/37 (continued)

0080	Light sensor holder. . . . .	3139	120	10171	3231	22k ohms 5% 0.062W . . . . .	4822	051	30223
2540	100µF 20% 16V. . . . .	4822	124	41643	3232	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
2541	1µF 10V 0603 . . . . .	3198	017	41050	3233	22k ohms 5% 0.062W . . . . .	4822	051	30223
3540	330 ohms 5% 0.062W . . . . .	4822	051	30331	3234	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3542	220 ohms 5% 0.062W . . . . .	4822	051	30221	3235	75 ohms 5% 0.062W. . . . .	4822	051	30759
3544	3.3 ohms 5% 0.062W . . . . .	4822	051	30332	3236	75 ohms 5% 0.062W. . . . .	4822	051	30759
3547	2.2M ohms 5% 0603. . . . .	3198	021	32250	3238	390 ohms 1% 0.063W 0603. . . . .	5322	117	13062
4540	Jumper 0603. . . . .	4822	051	30008	3239	82k ohms 5% 0.6W . . . . .	4822	117	12864
4541	Jumper 0603. . . . .	4822	051	30008	3240	82k ohms 5% 0.6W . . . . .	4822	117	12864
4542	Jumper 0603. . . . .	4822	051	30008	3241	10k ohms 5% 0.062W . . . . .	4822	051	30103
6540	SPR-325MVW . . . . .	9322	192	35676	3242	1k ohms 5% 0.062W. . . . .	4822	051	30102
6541	IR receiverTSOP34836LL1B . . . . .	9322	207	16667	3681	Jumper 0603. . . . .	4822	051	30008
7540	BC856B . . . . .	4822	130	60373	3683	75 ohms 5% 0.062W. . . . .	4822	051	30759
7541	BC846B . . . . .	5322	130	60159	3684	75 ohms 5% 0.062W. . . . .	4822	051	30759
7542	BC846B . . . . .	5322	130	60159	3686	Jumper 0603. . . . .	4822	051	30008
7543	BPW34. . . . .	9322	190	34682	3687	75 ohms 5% 0.062W. . . . .	4822	051	30759

### Rear I/O Panel Parts [H]

Rear I/O Panel Parts [H]									
1103	45P Female . . . . .	2422	025	18249	3697	10k ohms 5% 0.062W . . . . .	4822	051	30103
1104	20P Female . . . . .	2422	025	14551	3698	22k ohms 5% 0.062W . . . . .	4822	051	30223
1175	Socket CINC3 3p f h RdBuGn . . . . .	2422	026	05589	3699	22k ohms 5% 0.062W . . . . .	4822	051	30223
1176	Socket phone 1P f. . . . .	2422	026	05553	3700	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1177	Socket phone 1P f. . . . .	2422	026	05553	3701	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1178	Socket SUBD 15p f v. . . . .	2422	025	18088	4175	Jumper 0603. . . . .	4822	051	30008
1178	Socket SUBD 15p f h. . . . .	2422	025	18477	4176	Jumper 0603. . . . .	4822	051	30008
1179	Socket HDMI 29P f. . . . .	2422	033	00504	4223	Jumper 0603. . . . .	4822	051	30008
1180	Socket headphone . . . . .	4822	267	31014	5681	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1182	Socket CINC3 3p f RdWhYe . . . . .	2422	026	05499	5683	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1183	Connector 4P f . . . . .	2422	026	05428	5684	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1690	Connector 20p f h 0.50 . . . . .	2422	025	18011	5687	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1698	45P Female . . . . .	2422	025	18249	6100	BAS316 . . . . .	4822	130	11397
2179	10nF 10% 50V 0603. . . . .	5322	126	11583	6695	BAS316 . . . . .	4822	130	11397
2182	330pF 0603 50V . . . . .	4822	126	14241	7193	BC857BW. . . . .	3198	010	42320
2183	1µF 10V 0603 . . . . .	3198	017	41050	7225	BC847BW. . . . .	3198	010	42310
2184	330pF 0603 50V . . . . .	4822	126	14241	7226	BC847BW. . . . .	3198	010	42310
2185	1µF 10V 0603 . . . . .	3198	017	41050	7227	BC847BW. . . . .	3198	010	42310
2190	10µF 16V . . . . .	4822	124	23002	7228	BC847BW. . . . .	3198	010	42310
2194	1µF 10V 0603 . . . . .	3198	017	41050	7229	BC847BW. . . . .	3198	010	42310
2195	220nF +80-20% 16V. . . . .	4822	126	13879	7230	BC847BW. . . . .	3198	010	42310
2196	1µF 10V 0603 . . . . .	3198	017	41050	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01511
2225	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01641
2227	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01961
2228	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01971
2231	330pF 0603 50V . . . . .	4822	126	14241	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01991
2232	1µF 10V 0603 . . . . .	3198	017	41050	8103	FFC Foil 45P . . . . .	3139	131	03511
2233	330pF 0603 50V . . . . .	4822	126	14241	8103	Cable foil 45p/060/45p . . . . .	3139	131	04721
2234	1µF 10V 0603 . . . . .	3198	017	41050	8690	Cable foil 20p/60 shielded . . . . .	3139	131	04051
2238	100nF 20% 50V 0603 . . . . .	2238	586	59812	8698	FFC Foil 45P . . . . .	3139	131	03511
2683	1µF 10V 0603 . . . . .	3198	017	41050	8698	Cable foil 45p/060/45p . . . . .	3139	131	04721
2684	1µF 10V 0603 . . . . .	3198	017	41050					
2687	1µF 10V 0603 . . . . .	3198	017	41050					
2693	100nF 20% 50V 0603 . . . . .	2238	586	59812					
2698	100pF 5% 50V . . . . .	2020	552	94427	1001	Connector 9p m . . . . .	2422	025	17192
2699	100pF 5% 50V . . . . .	2020	552	94427	1002	Connector 20p m v 1.25 . . . . .	2422	025	18314
2704	330pF 0603 50V . . . . .	4822	126	14241	1003	Connector 20p m v 1.25 . . . . .	2422	025	18314
2705	330pF 0603 50V . . . . .	4822	126	14241	1206	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3175	75 ohms 5% 0.062W. . . . .	4822	051	30759	1207	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3176	330 ohms 5% 0.062W . . . . .	4822	051	30331	1209	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3177	330 ohms 5% 0.062W . . . . .	4822	051	30331	1210	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3178	75 ohms 5% 0.062W. . . . .	4822	051	30759	1211	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3179	75 ohms 5% 0.062W. . . . .	4822	051	30759	1403	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3180	330 ohms 5% 0.062W . . . . .	4822	051	30331	1404	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3181	330 ohms 5% 0.062W . . . . .	4822	051	30331	1405	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3182	22k ohms 5% 0.062W . . . . .	4822	051	30223	1406	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3183	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	1407	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3184	22k ohms 5% 0.062W . . . . .	4822	051	30223	2101	100pF 5% 50V . . . . .	2020	552	94427
3185	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	2102	100pF 5% 50V . . . . .	2020	552	94427
3186	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2103	100pF 5% 50V . . . . .	2020	552	94427
3187	10k ohms 5% 0.062W . . . . .	4822	051	30103	2104	100pF 5% 50V . . . . .	2020	552	94427
3188	10k ohms 5% 0.062W . . . . .	4822	051	30103	2105	100nF 20% 50V 0603 . . . . .	2238	586	59812
3190	47 ohms 5% 0.062W. . . . .	4822	051	30479	2106	100pF 5% 50V . . . . .	2020	552	94427
3191	33 ohms 5% 0.062W. . . . .	4822	051	30339	2107	100nF 20% 50V 0603 . . . . .	2238	586	59812
3192	75 ohms 5% 0.062W. . . . .	4822	051	30759	2108	1µF 10% 6V3 0603 . . . . .	2022	552	05614
3193	100 ohms 5% 0.062W . . . . .	4822	051	30101	2110	1nF 25V 0603 . . . . .	3198	016	31020
3194	1k ohms 5% 0.062W. . . . .	4822	051	30102	2112	100nF 20% 50V 0603 . . . . .	2238	586	59812
3195	56k ohms 5% 0.062W . . . . .	4822	051	30563	2113	100nF 20% 50V 0603 . . . . .	2238	586	59812
3196	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	2114	2.2µF 10% 6.3V . . . . .	2022	552	05682
3197	10k ohms 5% 0.062W . . . . .	4822	051	30103	2115	100nF 20% 50V 0603 . . . . .	2238	586	59812
3198	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2116	2.2µF 10% 6.3V . . . . .	2022	552	05682
3199	27k ohms 5% 0.062W . . . . .	4822	051	30273	2121	100nF 20% 50V 0603 . . . . .	2238	586	59812
3220	330 ohms 5% 0.062W . . . . .	4822	051	30331	2122	100nF 20% 50V 0603 . . . . .	2238	586	59812
3221	330 ohms 5% 0.062W . . . . .	4822	051	30331	2123	100nF 20% 50V 0603 . . . . .	2238	586	59812
3222	75 ohms 5% 0.062W. . . . .	4822	051	30759	2124	100nF 20% 50V 0603 . . . . .	2238	586	59812
3223	75 ohms 5% 0.062W. . . . .	4822	051	30759	2130	100nF 20% 50V 0603 . . . . .	2238	586	59812
3224	33 ohms 5% 0.062W. . . . .	4822	051	30339	2131	100nF 20% 50V 0603 . . . . .	2238	586	59812
3225	10k ohms 5% 0.062W . . . . .	4822	051	30103	2132	100nF 20% 50V 0603 . . . . .	2238	586	59812
3226	10k ohms 5% 0.062W . . . . .	4822	051	30103	2133	100nF 20% 50V 0603 . . . . .	2238	586	59812
3227	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2134	100nF 20% 50V 0603 . . . . .	2238	586	59812
3228	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2135	2.2µF 10% 6.3V . . . . .	2022	552	05682
3229	10k ohms 5% 0.062W . . . . .	4822	051	30103	2136	100nF 20% 50V 0603 . . . . .	2238	586	59812
3230	10k ohms 5% 0.062W . . . . .	4822	051	30103	2139	100nF 20% 50V 0603 . . . . .	2238	586	59812

S = Safety Part Be sure to use exact replacement part.

# 26PF9966/37 (continued)

2140	100nF 20% 50V 0603	2238 586 59812	5105	Bead 30 ohms at 100MHz	4822 157 11716
2141	100nF 20% 50V 0603	2238 586 59812	5106	Bead 30 ohms at 100MHz	4822 157 11716
2142	100nF 20% 50V 0603	2238 586 59812	5107	Bead 30 ohms at 100MHz	4822 157 11716
2143	100nF 20% 50V 0603	2238 586 59812	5201	Bead 30 ohms at 100MHz	4822 157 11716
2144	100nF 20% 50V 0603	2238 586 59812	5202	Bead 30 ohms at 100MHz	4822 157 11716
2145	100nF 20% 50V 0603	2238 586 59812	5203	Bead 30 ohms at 100MHz	4822 157 11716
2146	100nF 20% 50V 0603	2238 586 59812	5401	Bead 30 ohms at 100MHz	4822 157 11716
2147	100nF 20% 50V 0603	2238 586 59812	5402	Bead 30 ohms at 100MHz	4822 157 11716
2148	100nF 20% 50V 0603	2238 586 59812	5403	Bead 30 ohms at 100MHz	4822 157 11716
2149	100nF 20% 50V 0603	2238 586 59812	7101	EP1C12F256C8	9322 200 14671
2150	100nF 20% 50V 0603	2238 586 59812	7102	Softw. (See Prod.Surv.)	3122 357 00601
2201	100nF 20% 50V 0603	2238 586 59812	7108	Xtal 14.31818MHz 15pF SMD	2722 171 08825
2202	100nF 20% 50V 0603	2238 586 59812	7110	BC847BS	9340 425 20115
2203	100nF 20% 50V 0603	2238 586 59812	7201	THC63LVDF84B	9322 210 59668
2204	100nF 20% 50V 0603	2238 586 59812	7403	THC63LVDM83R	9322 201 03668
2205	100nF 20% 50V 0603	2238 586 59812	7501	LF15ABDT	9322 170 14668
2206	1pF 25% 50V 0603	3198 016 31080	7504	SI2307DS	9322 190 77685
2207	1pF 25% 50V 0603	3198 016 31080	7505	PDTC114ET	4822 130 11155
2208	1pF 25% 50V 0603	3198 016 31080			
2209	1pF 25% 50V 0603	3198 016 31080			
2210	1pF 25% 50V 0603	3198 016 31080			
2211	1pF 25% 50V 0603	3198 016 31080			
2212	1pF 25% 50V 0603	3198 016 31080			
2213	1pF 25% 50V 0603	3198 016 31080			
2214	1pF 25% 50V 0603	3198 016 31080			
2215	1pF 25% 50V 0603	3198 016 31080			
2216	100nF 20% 50V 0603	2238 586 59812			
2401	100nF 20% 50V 0603	2238 586 59812			
2402	100nF 20% 50V 0603	2238 586 59812			
2403	100nF 20% 50V 0603	2238 586 59812			
2404	100nF 20% 50V 0603	2238 586 59812			
2405	100nF 20% 50V 0603	2238 586 59812			
2406	1pF 25% 50V 0603	3198 016 31080			
2407	1pF 25% 50V 0603	3198 016 31080			
2408	1pF 25% 50V 0603	3198 016 31080			
2409	1pF 25% 50V 0603	3198 016 31080			
2410	1pF 25% 50V 0603	3198 016 31080			
2411	1pF 25% 50V 0603	3198 016 31080			
2412	1pF 25% 50V 0603	3198 016 31080			
2413	1pF 25% 50V 0603	3198 016 31080			
2414	1pF 25% 50V 0603	3198 016 31080			
2415	1pF 25% 50V 0603	3198 016 31080			
2419	100nF 20% 50V 0603	2238 586 59812			
2502	100nF 20% 50V 0603	2238 586 59812			
2503	100µF 20% 16V	4822 124 12095			
2504	100nF 20% 50V 0603	2238 586 59812			
2505	2.2µF 10% 6.3V	2022 552 05682			
2508	22pF 5% 50V	4822 122 33761			
2509	22pF 5% 50V	4822 122 33761			
2515	100nF 20% 50V 0603	2238 586 59812			
2516	22pF 5% 50V	4822 122 33761			
2520	22pF 5% 50V	4822 122 33761			
2522	10nF 10% 50V 0603	5322 126 11583			
3101	10k ohms 5% 0.062W	4822 051 30103			
3102	47 ohms 5% 0.062W	4822 051 30479			
3103	47 ohms 5% 0.062W	4822 051 30479			
3104	10k ohms 5% 0.062W	4822 051 30103			
3105	10k ohms 5% 0.062W	4822 051 30103			
3106	10k ohms 5% 0.062W	4822 051 30103			
3107	10k ohms 5% 0.062W	4822 051 30103			
3108	10k ohms 5% 0.062W	4822 051 30103			
3109	10k ohms 5% 0.062W	4822 051 30103			
3110	47 ohms 5% 0.062W	4822 051 30479			
3111	10k ohms 5% 0.062W	4822 051 30103			
3112	10k ohms 5% 0.062W	4822 051 30103			
3113	10k ohms 5% 0.062W	4822 051 30103			
3114	47 ohms 5% 0.062W	4822 051 30479			
3115	1k ohms 5% 0.062W	4822 051 30102			
3116	33k ohms 5% 0.062W	4822 051 30333			
3117	10k ohms 5% 0.062W	4822 051 30103			
3118	33k ohms 5% 0.062W	4822 051 30333			
3122	47 ohms 5% 0.062W	4822 051 30479			
3125	47 ohms 5% 0.062W	4822 051 30479			
3202	4.7 ohms 5% 0.062W	4822 051 30472			
3204	100 ohms 5% 0.062W	4822 051 30101			
3207	100 ohms 5% 0.062W	4822 051 30101			
3210	100 ohms 5% 0.062W	4822 051 30101			
3213	100 ohms 5% 0.062W	4822 051 30101			
3216	100 ohms 5% 0.062W	4822 051 30101			
3402	47 ohms 5% 0.062W	4822 051 30479			
3403	1k ohms 5% 0.062W	4822 051 30102			
3406	4.7 ohms 5% 0.062W	4822 051 30472			
3407	100 ohms 5% 0.062W	4822 051 30101			
3421	47 ohms 5% 0.062W	4822 051 30479			
3510	4.7 ohms 5% 0.062W	4822 051 30472			
3512	10k ohms 5% 0.062W	4822 051 30103			
3513	1k ohms 5% 0.062W	4822 051 30102			
3515	4.7 ohms 5% 0.062W	4822 051 30472			
3519	4.7 ohms 5% 0.062W	4822 051 30472			
3520	4.7 ohms 5% 0.062W	4822 051 30472			
5101	Bead 30 ohms at 100MHz	4822 157 11716			
5104	Bead 30 ohms at 100MHz	4822 157 11716			

S = Safety Part Be sure to use exact replacement part.

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## Set Level Parts

Set Level Parts			
REMOTE	Remote Transmitter, RCAE049_FRP. . .	3128	147 15921
S 1001	AC Line Cord . . . . .	2422	070 98208
1002	FM Antenna Wire. . . . .	3139	131 02781
1116	Side I/O panel . . . . .	3139	188 54481
1121	3D Comb-fiter panel 23'. . . . .	3139	188 53061
1121	3D Comb-fiter panel 26'. . . . .	3139	188 68791
1126	Rear I/O panel 17'. . . . .	3139	188 52981
1126	Rear I/O panel 26'. . . . .	3139	188 80961
1126	Rear I/O panel 23'. . . . .	3139	188 80981
1129	ASSY LC04 LCPI (EPLD). . . . .	3139	188 81401
1150	TV & Scaler board 17'. . . . .	3139	188 56751
1150	TV & Scaler board 23'. . . . .	3139	188 80511
1150	TV & Scaler board 26'. . . . .	3139	188 80541
S 1188	Power supply 17'. . . . .	3122	137 23041
S 1188	Power supply 23'. . . . .	3122	137 23071
S 1188	Power supply 26'. . . . .	3122	137 23081
8190	Cable VGA 1.5m CINCH RdGnBu. . . . .	2422	076 00584
8192	Cable coax 1.5m. . . . .	2422	076 00604
8194	Cable 1.5M . . . . .	2422	076 00585
8301	Cable foil 20p/75/20p. . . . .	3139	131 03972
8301	Cable foil 20p/150/20p. . . . .	3139	131 04011
8301	Cable foil 20p/150 1.25. . . . .	3139	131 04691
8301	Cable foil 20p/130 1.25. . . . .	3139	131 04701
8403	Cable 20P. . . . .	3139	131 03581
8403	Cable 20p/280/20p. . . . .	3139	131 04271

## TV & Scaler Board Parts [A]

TV & Scaler Board Parts [A]			
1001	Xtal 24.576MHz 30pF. . . . .	2422	543 01255
1004	Connector 10P f. . . . .	2422	025 15773
1005	45P Female . . . . .	2422	025 18249
1302	UR1336/A F S H-3 . . . . .	3139	147 19711
1302	UR1336/A FI S H-3. . . . .	3139	147 22321
1303	Connector 3p m . . . . .	2422	025 16835
1304	Connector 3p m . . . . .	2422	025 16835
1328	SAW 45.75MHz M1967L. . . . .	2422	549 44377
1401	Xtal 14.32MHz 20pF . . . . .	2422	543 01133
1403	Connector 20p m v 1.25 . . . . .	2422	025 18314
1409	Connector 9p m h . . . . .	2422	025 16846
1601	45P Female . . . . .	2422	025 18249
1704	Connector 4p m . . . . .	2422	025 16543
1801	Connector 20p f h 0.50 . . . . .	2422	025 18011
1910	Connector 12p m. . . . .	2422	025 16705
2000	1uF 10V 0603 . . . . .	3198	017 41050
2001	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2002	100uF 20% 6.3V . . . . .	2020	021 91679
2003	100nF 10% 10V 0402. . . . .	2020	552 96437
2004	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2005	100nF 10% 16V 0402 . . . . .	3198	035 71040
2006	8.2pF 50V. . . . .	3198	034 08280
2007	8.2pF 50V. . . . .	3198	034 08280
2008	470nF 10V 0603 . . . . .	3198	017 44740
2009	1uF 10V 0603 . . . . .	3198	017 41050
2010	6.8nF 10% 16V 0402 . . . . .	3198	035 26820
2011	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2012	100uF 20% 16V. . . . .	2020	021 91557
2013	100nF 10% 16V 0402 . . . . .	3198	035 71040
2014	100nF 10% 16V 0402 . . . . .	3198	035 71040
2015	100nF 10% 16V 0402 . . . . .	3198	035 71040
2016	100nF 10% 16V 0402 . . . . .	3198	035 71040
2017	100nF 10% 16V 0402 . . . . .	3198	035 71040
2018	100nF 10% 16V 0402 . . . . .	3198	035 71040
2019	47uF 20% 16V . . . . .	2020	021 91617
2020	100pF 5% 50V 0402. . . . .	2238	869 15101
2021	10nF 10% 16V 0402. . . . .	2020	552 96628
2022	220pF 5% 50V 0402. . . . .	3198	035 02210
2023	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2024	100uF 20% 16V. . . . .	2020	021 91557
2025	100nF 10% 16V 0402 . . . . .	3198	035 71040
2026	100nF 10% 16V 0402 . . . . .	3198	035 71040
2027	100nF 10% 16V 0402 . . . . .	3198	035 71040
2028	10nF 10% 16V 0402. . . . .	2020	552 96628
2029	100nF 10% 16V 0402 . . . . .	3198	035 71040
2030	100nF 10% 16V 0402 . . . . .	3198	035 71040
2031	100nF 10% 16V 0402 . . . . .	3198	035 71040
2032	100nF 10% 16V 0402 . . . . .	3198	035 71040
2033	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2034	3.3nF 2% 50V 0805. . . . .	2020	552 00002
2035	100uF 20% 16V. . . . .	4822	124 12095
2037	10uF 10% 6.3V 0805 . . . . .	2020	552 96637
2040	10uF 16V . . . . .	2020	021 91616
2041	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2042	3.3nF 2% 50V 0805. . . . .	2020	552 00002
2043	100nF 10% 16V 0402 . . . . .	3198	035 71040
2044	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2045	10nF 10% 16V 0402. . . . .	2020	552 96628
2046	1uF 10V 0603 . . . . .	3198	017 41050
2047	330uF 6.3V . . . . .	2020	012 93761
2048	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2052	1nF 10% 50V 0402 . . . . .	2020	552 96618

2053	1nF 10% 50V 0402 . . . . .	2020	552 96618
2054	1nF 10% 50V 0402 . . . . .	2020	552 96618
2060	100nF 10% 16V 0402 . . . . .	3198	035 71040
2061	10uF 16V . . . . .	2020	021 91616
2062	3.3nF 2% 50V 0805. . . . .	2020	552 00002
2063	150nF 10V 0603 . . . . .	3198	017 31540
2068	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2071	100uF 20% 16V. . . . .	2020	021 91557
2072	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2073	1nF 10% 50V 0402 . . . . .	2020	552 96618
2074	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2076	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2077	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2078	100pF 5% 50V 0402. . . . .	2238	869 15101
2079	22nF 10% 16V 0402. . . . .	2020	552 96632
2082	1nF 10% 50V 0402 . . . . .	2020	552 96618
2083	1nF 10% 50V 0402 . . . . .	2020	552 96618
2084	1nF 10% 50V 0402 . . . . .	2020	552 96618
2085	1nF 10% 50V 0402 . . . . .	2020	552 96618
2086	1nF 10% 50V 0402 . . . . .	2020	552 96618
2087	1nF 10% 50V 0402 . . . . .	2020	552 96618
2089	1nF 10% 50V 0402 . . . . .	2020	552 96618
2099	1nF 10% 50V 0402 . . . . .	2020	552 96618
2302	22pF 5% 50V. . . . .	4822	122 33761
2303	22pF 5% 50V. . . . .	4822	122 33761
2307	47nF 50V 0603. . . . .	3198	024 44730
2308	2.2uF 20% 50V. . . . .	3198	030 82280
2309	470uF 20% 16V. . . . .	2020	021 91871
2311	22uF 20% 35V . . . . .	3198	030 72290
2313	1nF 25V 0603 . . . . .	3198	016 31020
2314	100nF 20% 50V 0603 . . . . .	2238	586 59812
2317	1nF 25V 0603 . . . . .	3198	016 31020
2318	1nF 25V 0603 . . . . .	3198	016 31020
2321	10nF 10% 50V 0603. . . . .	5322	126 11583
2324	10nF 10% 50V 0603. . . . .	5322	126 11583
2355	2.2uF 50V. . . . .	2020	021 91601
2356	2.2uF 50V. . . . .	2020	021 91601
2357	100nF 10% 16V 0402 . . . . .	3198	035 71040
2358	3.3nF 5% 50V 0402. . . . .	3198	035 03320
2359	10nF 10% 16V 0402. . . . .	2020	552 96628
2370	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2371	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2372	1nF 10% 50V 0402 . . . . .	2020	552 96618
2373	1nF 10% 50V 0402 . . . . .	2020	552 96618
2374	100nF 10% 16V 0402 . . . . .	3198	035 71040
2375	10uF 16V . . . . .	2020	021 91616
2376	1uF 10V 0603 . . . . .	3198	017 41050
2377	1uF 10V 0603 . . . . .	3198	017 41050
2378	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2379	220nF 10% 6.3V 0402. . . . .	2020	552 96718
2380	47uF 20% 16V . . . . .	2020	021 91617
2381	100nF 10% 16V 0402 . . . . .	3198	035 71040
2382	470uF 20% 16V. . . . .	2020	021 91871
2386	1uF 10V 0603 . . . . .	3198	017 41050
2387	33pF 5% 50V 0402 . . . . .	4822	126 14324
2388	33pF 5% 50V 0402 . . . . .	4822	126 14324
2392	1uF 10V 0603 . . . . .	3198	017 41050
2394	100nF 10% 16V 0402 . . . . .	3198	035 71040
2395	100nF 10% 16V 0402 . . . . .	3198	035 71040
2396	10uF 16V . . . . .	4822	124 23002
2397	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2398	1uF 20% 6.3V 0402. . . . .	2020	552 96834
2401	47uF 16V . . . . .	4822	124 80151
2402	47uF 16V . . . . .	4822	124 80151
2403	100nF 10% 16V 0402 . . . . .	3198	035 71040
2404	100nF 10% 16V 0402 . . . . .	3198	035 71040
2405	100nF 10% 16V 0402 . . . . .	3198	035 71040
2406	100nF 10% 16V 0402 . . . . .	3198	035 71040
2407	100nF 10% 16V 0402 . . . . .	3198	035 71040
2408	100nF 10% 16V 0402 . . . . .	3198	035 71040
2409	100nF 10% 16V 0402 . . . . .	3198	035 71040
2410	100nF 10% 16V 0402 . . . . .	3198	035 71040
2411	100nF 10% 16V 0402 . . . . .	3198	035 71040
2412	100nF 10% 16V 0402 . . . . .	3198	035 71040
2413	100nF 10% 16V 0402 . . . . .	3198	035 71040
2414	100nF 10% 16V 0402 . . . . .	3198	035 71040
2415	100nF 10% 16V 0402 . . . . .	3198	035 71040
2416	100nF 10% 16V 0402 . . . . .	3198	035 71040
2417	47uF 16V . . . . .	4822	124 80151
2418	47uF 16V . . . . .	4822	124 80151
2419	100nF 10% 16V 0402 . . . . .	3198	035 71040
2420	100nF 10% 16V 0402 . . . . .	3198	035 71040
2421	100nF 10% 16V 0402 . . . . .	3198	035 71040
2422	100nF 10% 16V 0402 . . . . .	3198	035 71040
2423	100nF 10% 16V 0402 . . . . .	3198	035 71040
2424	100nF 10% 16V 0402 . . . . .	3198	035 71040
2425	100nF 10% 16V 0402 . . . . .	3198	035 71040
2426	100nF 10% 16V 0402 . . . . .	3198	035 71040
2427	100nF 10% 16V 0402 . . . . .	3198	035 71040
2428	100nF 10% 16V 0402 . . . . .	3198	035 71040
2429	100nF 10% 16V 0402 . . . . .	3198	035 71040
2430	100nF 10% 16V 0402 . . . . .	3198	035 71040

S = Safety Part Be sure to use exact replacement part.

# 26PF9976M/37 (continued)

2431	100nF 10% 16V 0402	3198 035 71040	2610	100nF 10% 16V 0402	3198 035 71040
2432	100nF 10% 16V 0402	3198 035 71040	2611	47µF 6.3V	4822 124 11131
2433	100nF 10% 16V 0402	3198 035 71040	2612	10nF 10% 16V 0402	2020 552 96628
2434	47µF 16V	4822 124 80151	2613	10nF 10% 16V 0402	2020 552 96628
2435	47µF 16V	4822 124 80151	2614	10nF 10% 16V 0402	2020 552 96628
2436	100nF 10% 16V 0402	3198 035 71040	2615	10nF 10% 16V 0402	2020 552 96628
2437	100nF 10% 16V 0402	3198 035 71040	2616	10nF 10% 16V 0402	2020 552 96628
2438	100nF 10% 16V 0402	3198 035 71040	2617	10nF 10% 16V 0402	2020 552 96628
2439	100nF 10% 16V 0402	3198 035 71040	2618	10nF 10% 16V 0402	2020 552 96628
2440	100nF 10% 16V 0402	3198 035 71040	2619	33pF 5% 50V 0402	4822 126 14324
2441	100nF 10% 16V 0402	3198 035 71040	2620	100nF 20% 50V 0603	2238 586 59812
2442	100nF 10% 16V 0402	3198 035 71040	2621	1µF 20% 6.3V 0402	2020 552 96834
2443	100nF 10% 16V 0402	3198 035 71040	2622	1µF 20% 6.3V 0402	2020 552 96834
2444	100nF 10% 16V 0402	3198 035 71040	2623	1µF 20% 6.3V 0402	2020 552 96834
2445	100nF 10% 16V 0402	3198 035 71040	2624	470nF 10V 0603	3198 017 44740
2446	100nF 10% 16V 0402	3198 035 71040	2625	470nF 10V 0603	3198 017 44740
2447	100nF 10% 16V 0402	3198 035 71040	2626	470nF 10V 0603	3198 017 44740
2448	100nF 10% 16V 0402	3198 035 71040	2630	1µF 20% 6.3V 0402	2020 552 96834
2449	100nF 10% 16V 0402	3198 035 71040	2631	1µF 20% 6.3V 0402	2020 552 96834
2450	100nF 10% 16V 0402	3198 035 71040	2632	1µF 20% 6.3V 0402	2020 552 96834
2451	47µF 16V	4822 124 80151	2633	1µF 20% 6.3V 0402	2020 552 96834
2452	100nF 10% 16V 0402	3198 035 71040	2634	1µF 20% 6.3V 0402	2020 552 96834
2453	100nF 10% 16V 0402	3198 035 71040	2635	1µF 20% 6.3V 0402	2020 552 96834
2454	100nF 10% 16V 0402	3198 035 71040	2636	100nF 10% 16V 0402	3198 035 71040
2455	100nF 10% 16V 0402	3198 035 71040	2638	330pF 5% 50V 0402	3198 035 03310
2456	100nF 10% 16V 0402	3198 035 71040	2639	330pF 5% 50V 0402	3198 035 03310
2457	10µF 10% 16V 1210	2020 552 96675	2702	1µF 20% 6.3V 0402	2020 552 96834
2461	100nF 10% 16V 0402	3198 035 71040	2703	10µF 16V	2020 021 91616
2462	100nF 10% 16V 0402	3198 035 71040	2707	470µF 20% 16V	2020 021 91871
2463	100nF 10% 16V 0402	3198 035 71040	2708	1µF 20% 6.3V 0402	2020 552 96834
2464	100nF 10% 16V 0402	3198 035 71040	2710	470pF 50V 0402	3198 035 04710
2465	22µF 20% 35V	5322 124 41945	2711	470pF 50V 0402	3198 035 04710
2466	100nF 10% 16V 0402	3198 035 71040	2712	1µF 20% 6.3V 0402	2020 552 96834
2467	100nF 10% 16V 0402	3198 035 71040	2713	100nF 20% 50V 0603	2238 586 59812
2468	100nF 10% 16V 0402	3198 035 71040	2714	470µF 20% 16V	2020 021 91871
2469	100nF 10% 16V 0402	3198 035 71040	2715	470µF 20% 16V	2020 021 91871
2470	22µF 20% 35V	5322 124 41945	2718	1µF 20% 6.3V 0402	2020 552 96834
2471	100nF 10% 16V 0402	3198 035 71040	2719	100nF 20% 50V 0603	2238 586 59812
2472	100nF 10% 16V 0402	3198 035 71040	2735	1nF 10% 50V 0402	2020 552 96618
2473	100nF 10% 16V 0402	3198 035 71040	2736	1nF 10% 50V 0402	2020 552 96618
2474	100nF 10% 16V 0402	3198 035 71040	2737	1nF 10% 50V 0402	2020 552 96618
2475	100nF 10% 16V 0402	3198 035 71040	2738	1nF 10% 50V 0402	2020 552 96618
2476	100nF 10% 16V 0402	3198 035 71040	2739	470pF 50V 0402	3198 035 04710
2477	100nF 10% 16V 0402	3198 035 71040	2740	470pF 50V 0402	3198 035 04710
2478	22µF 20% 35V	5322 124 41945	2741	470pF 50V 0402	3198 035 04710
2479	100nF 10% 16V 0402	3198 035 71040	2742	470pF 50V 0402	3198 035 04710
2480	100nF 10% 16V 0402	3198 035 71040	2743	1µF 20% 6.3V 0402	2020 552 96834
2481	100nF 10% 16V 0402	3198 035 71040	2744	1µF 20% 6.3V 0402	2020 552 96834
2482	22µF 20% 35V	5322 124 41945	2745	100µF 20% 16V	2020 021 91557
2483	100nF 10% 16V 0402	3198 035 71040	2746	1µF 10V 0603	3198 017 41050
2484	100nF 10% 16V 0402	3198 035 71040	2803	22µF 6.3V	4822 124 23237
2485	100nF 10% 16V 0402	3198 035 71040	2804	1µF 10V 0603	3198 017 41050
2486	100nF 10% 16V 0402	3198 035 71040	2805	1µF 10V 0603	3198 017 41050
2487	22pF 5% 50V 0402	4822 126 14519	2806	22µF 6.3V	4822 124 23237
2488	22pF 5% 50V 0402	4822 126 14519	2807	100nF 10% 16V 0402	3198 035 71040
2490	100nF 20% 50V 0603	2238 586 59812	2808	100nF 10% 16V 0402	3198 035 71040
2491	100nF 20% 50V 0603	2238 586 59812	2809	10µF 16V	4822 124 23002
2492	100nF 20% 50V 0603	2238 586 59812	2810	22µF 6.3V	4822 124 23237
2495	47µF 16V	4822 124 80151	2811	1nF 10% 50V 0402	2020 552 96618
2496	100nF 10% 16V 0402	3198 035 71040	2812	100nF 10% 16V 0402	3198 035 71040
2501	47µF 16V	4822 124 80151	2813	10µF 10% 16V 1210	2020 552 96675
2502	47µF 6.3V	4822 124 11131	2814	100nF 10% 16V 0402	3198 035 71040
2503	100nF 10% 16V 0402	3198 035 71040	2815	1nF 10% 50V 0402	2020 552 96618
2504	100nF 10% 16V 0402	3198 035 71040	2816	100nF 10% 16V 0402	3198 035 71040
2505	100nF 10% 16V 0402	3198 035 71040	2817	1nF 10% 50V 0402	2020 552 96618
2506	100nF 10% 16V 0402	3198 035 71040	2818	10µF 10% 16V 1210	2020 552 96675
2507	100nF 10% 16V 0402	3198 035 71040	2819	100nF 10% 16V 0402	3198 035 71040
2508	100nF 10% 16V 0402	3198 035 71040	2820	1nF 10% 50V 0402	2020 552 96618
2509	100nF 10% 16V 0402	3198 035 71040	2821	1nF 10% 50V 0402	2020 552 96618
2510	100nF 10% 16V 0402	3198 035 71040	2822	1nF 10% 50V 0402	2020 552 96618
2511	100nF 10% 16V 0402	3198 035 71040	2823	1nF 10% 50V 0402	2020 552 96618
2512	100nF 10% 16V 0402	3198 035 71040	2824	100nF 10% 16V 0402	3198 035 71040
2513	100nF 10% 16V 0402	3198 035 71040	2825	1nF 10% 50V 0402	2020 552 96618
2514	100nF 10% 16V 0402	3198 035 71040	2826	1nF 10% 50V 0402	2020 552 96618
2515	100nF 10% 16V 0402	3198 035 71040	2827	1nF 10% 50V 0402	2020 552 96618
2516	100nF 10% 16V 0402	3198 035 71040	2828	1nF 10% 50V 0402	2020 552 96618
2517	100nF 10% 16V 0402	3198 035 71040	2829	1nF 10% 50V 0402	2020 552 96618
2530	10µF 16V	4822 124 23002	2830	1nF 10% 50V 0402	2020 552 96618
2531	100nF 10% 16V 0402	3198 035 71040	2832	1nF 10% 50V 0402	2020 552 96618
2532	100nF 10% 16V 0402	3198 035 71040	2833	47µF 6.3V	4822 124 11131
2533	100nF 10% 16V 0402	3198 035 71040	2834	47µF 6.3V	4822 124 11131
2560	100nF 10% 16V 0402	3198 035 71040	2835	100nF 10% 16V 0402	3198 035 71040
2561	100µF 20% 16V	4822 124 12095	2836	100nF 10% 16V 0402	3198 035 71040
2562	100nF 10% 16V 0402	3198 035 71040	2837	10µF 10% 16V 1210	2020 552 96675
2563	4.7nF 5% 25V 0402	3198 035 14720	2838	10nF 16V 0402	3198 035 71030
2564	10µF 20% 25V 1210	2020 552 96656	2839	47nF 5% 16V 0402	3198 035 74730
2601	100nF 10% 16V 0402	3198 035 71040	2840	10µF 10% 16V 1210	2020 552 96675
2605	100nF 10% 16V 0402	3198 035 71040	2841	1µF 10V 0603	3198 017 41050
2606	100nF 10% 16V 0402	3198 035 71040	2842	1µF 10V 0603	3198 017 41050
2607	100nF 10% 16V 0402	3198 035 71040	2843	47µF 6.3V	4822 124 11131
2608	100nF 10% 16V 0402	3198 035 71040	2844	100nF 10% 16V 0402	3198 035 71040
2609	100nF 10% 16V 0402	3198 035 71040	2845	10nF 16V 0402	3198 035 71030

S = Safety Part Be sure to use exact replacement part.



## 26PF9976M/37 (continued)

2846	10nF 16V 0402 . . . . .	3198 035 71030	3063	1k ohms 5% 0402 . . . . .	4822 117 13548
2847	1µF 10V 0603 . . . . .	3198 017 41050	3064	100 ohms 1% 0402 . . . . .	4822 117 13545
2848	1µF 10V 0603 . . . . .	3198 017 41050	3065	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2849	10nF 10% 16V 0402 . . . . .	2020 552 96628	3066	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2860	18pF 5% 50V 0402 . . . . .	2238 869 15189	3067	100 ohms 1% 0402 . . . . .	4822 117 13545
2861	18pF 5% 50V 0402 . . . . .	2238 869 15189	3068	1k ohms 5% 0402 . . . . .	4822 117 13548
2862	18pF 5% 50V 0402 . . . . .	2238 869 15189	3069	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2863	18pF 5% 50V 0402 . . . . .	2238 869 15189	3070	100 ohms 1% 0402 . . . . .	4822 117 13545
2864	18pF 5% 50V 0402 . . . . .	2238 869 15189	3071	100 ohms 1% 0402 . . . . .	4822 117 13545
2865	18pF 5% 50V 0402 . . . . .	2238 869 15189	3073	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
2866	18pF 5% 50V 0402 . . . . .	2238 869 15189	3074	100k ohms 5% 0.1W . . . . .	4822 117 11297
2867	18pF 5% 50V 0402 . . . . .	2238 869 15189	3075	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2868	18pF 5% 50V 0402 . . . . .	2238 869 15189	3076	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
2869	18pF 5% 50V 0402 . . . . .	2238 869 15189	3077	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2909	330µF10V . . . . .	2020 021 90913	3078	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2910	470pF 50V 0402 . . . . .	3198 035 04710	3079	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2911	22µF 20% 35V . . . . .	2022 031 00308	3080	1k ohms 1% . . . . .	2322 704 61002
2920	47µF 16V . . . . .	4822 124 80151	3081	100 ohms 1% 0402 . . . . .	4822 117 13545
2921	47µF 16V . . . . .	4822 124 80151	3082	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2930	470µF 20% 16V . . . . .	2020 021 91871	3083	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2931	470pF 50V 0402 . . . . .	3198 035 04710	3084	100 ohms 1% 0402 . . . . .	4822 117 13545
2933	470µF 20% 16V . . . . .	2020 021 91871	3085	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2934	4.7nF 10% 50V 0402 . . . . .	2020 552 96793	3086	2.2k ohms 5% 0.01W 0402 . . . . .	4822 117 13602
2935	470µF 20% 16V . . . . .	2020 021 91871	3087	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2937	1nF 10% 50V 0402 . . . . .	2020 552 96618	3088	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2938	1nF 10% 50V 0402 . . . . .	2020 552 96618	3089	150k ohms 5% 0402 . . . . .	3198 031 01540
2939	1nF 10% 50V 0402 . . . . .	2020 552 96618	3091	100 ohms 1% 0402 . . . . .	4822 117 13545
2940	1nF 10% 50V 0402 . . . . .	2020 552 96618	3092	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2941	1nF 10% 50V 0402 . . . . .	2020 552 96618	3093	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2942	1nF 10% 50V 0402 . . . . .	2020 552 96618	3094	10 ohms 5% 0.01W 0402 . . . . .	3198 031 01090
2953	470µF 20% 16V . . . . .	2020 021 91871	3096	3.3k ohms 5% 0402 . . . . .	3198 031 03320
2955	4.7nF 5% 25V 0402 . . . . .	3198 035 14720	3097	4.7k ohms 5% 0402 . . . . .	3198 031 04720
2956	220pF 5% 50V 0402 . . . . .	3198 035 02210	3302	100 ohms 5% 0.062W . . . . .	4822 051 30101
2957	470µF 20% 16V . . . . .	2020 021 91871	3303	100 ohms 5% 0.062W . . . . .	4822 051 30101
2958	470µF 20% 16V . . . . .	2020 021 91871	3304	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2959	100nF 10% 16V 0402 . . . . .	3198 035 71040	3305	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2960	47µF 16V . . . . .	4822 124 80151	3309	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
2961	10nF 16V 0402 . . . . .	3198 035 71030	3314	100k ohms 1% 0603 0.62W . . . . .	4822 117 13632
2962	100nF 10% 16V 0402 . . . . .	3198 035 71040	3315	150k ohms 5% 0.062W . . . . .	4822 051 30154
2964	1nF 10% 50V 0402 . . . . .	2020 552 96618	3316	820 ohms 5% 0.62W . . . . .	4822 117 12968
2965	1nF 10% 50V 0402 . . . . .	2020 552 96618	3317	560 ohms 5% 0.062W . . . . .	4822 051 30561
2966	1nF 10% 50V 0402 . . . . .	2020 552 96618	3319	27k ohms 5% 0.062W . . . . .	4822 051 30273
2968	1nF 10% 50V 0402 . . . . .	2020 552 96618	3320	18k ohms 5% 0.062W . . . . .	4822 051 30183
2969	1nF 10% 50V 0402 . . . . .	2020 552 96618	3321	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2970	1nF 10% 50V 0402 . . . . .	2020 552 96618	3322	6.8 ohms 5% 0.062W . . . . .	4822 051 30682
2992	100nF 10% 16V 0402 . . . . .	3198 035 71040	3323	2.2k ohms 5% 0.062W . . . . .	4822 051 30222
2993	1nF 10% 50V 0402 . . . . .	2020 552 96618	3327	1k ohms 5% 0402 . . . . .	4822 117 13548
2994	470µF 20% 16V . . . . .	2020 021 91871	3328	100 ohms 1% 0402 . . . . .	4822 117 13545
2995	100nF 10% 16V 0402 . . . . .	3198 035 71040	3329	100 ohms 1% 0402 . . . . .	4822 117 13545
2996	47µF 16V . . . . .	4822 124 80151	3357	1k ohms 5% 0402 . . . . .	4822 117 13548
3000	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3358	100 ohms 1% 0402 . . . . .	4822 117 13545
3001	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3359	390 ohms 1% 0402 . . . . .	3198 031 03910
3002	22k ohms 5% 0402 . . . . .	4822 117 13601	3370	680 ohms 5% 0.01W 0402 . . . . .	3198 031 06810
3003	3.9 ohms 5% 0603 . . . . .	2322 702 70398	3371	100 ohms 1% 0402 . . . . .	4822 117 13545
3004	22k ohms 5% 0402 . . . . .	4822 117 13601	3372	100 ohms 1% 0402 . . . . .	4822 117 13545
3006	100 ohms 1% 0402 . . . . .	4822 117 13545	3374	10 ohms 5% . . . . .	5322 117 11726
3007	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3378	100 ohms 1% 0402 . . . . .	4822 117 13545
3008	47 ohms 5% 0402 . . . . .	3198 031 04730	3380	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3009	100k ohms 5% 0.1W . . . . .	4822 117 11297	3381	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3010	1k ohms 5% 0402 . . . . .	4822 117 13548	3382	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3013	100 ohms 1% 0402 . . . . .	4822 117 13545	3383	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3014	Jumper 0402 . . . . .	4822 117 13605	3386	100 ohms 1% 0402 . . . . .	4822 117 13545
3015	Jumper 0402 . . . . .	4822 117 13605	3389	100 ohms 1% 0402 . . . . .	4822 117 13545
3016	100 ohms 1% 0402 . . . . .	4822 117 13545	3390	100 ohms 1% 0402 . . . . .	4822 117 13545
3017	Jumper 0402 . . . . .	4822 117 13605	3391	100 ohms 1% 0402 . . . . .	4822 117 13545
3019	100 ohms 1% 0402 . . . . .	4822 117 13545	3392	100 ohms 1% 0402 . . . . .	4822 117 13545
3020	1k ohms 5% 0402 . . . . .	4822 117 13548	3393	100 ohms 1% 0402 . . . . .	4822 117 13545
3021	2.7k ohms 1% 0402 . . . . .	2322 706 72702	3394	75 ohms 5% 0402 . . . . .	3198 031 07590
3022	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3401	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3023	5.6k ohms 5% 0.01W 0402 . . . . .	3198 031 05620	3402	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3024	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3403	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3025	56k ohms 1% 0402 . . . . .	2322 706 75603	3404	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3026	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530	3405	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3027	4.7k ohms 5% 0402 . . . . .	3198 031 04720	3406	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3028	100k ohms 5% 0.1W . . . . .	4822 117 11297	3407	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3029	1k ohms 5% 0402 . . . . .	4822 117 13548	3408	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3030	100k ohms 5% 0.1W . . . . .	4822 117 11297	3409	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3032	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240	3410	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3035	100 ohms 1% 0402 . . . . .	4822 117 13545	3411	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3037	82k ohms 5% 0402 . . . . .	3198 031 08230	3412	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3048	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3413	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3049	100 ohms 1% 0402 . . . . .	4822 117 13545	3414	33 ohms 1% 0402 . . . . .	3198 031 03390
3050	100 ohms 1% 0402 . . . . .	4822 117 13545	3422	33 ohms 1% 0402 . . . . .	3198 031 03390
3051	100 ohms 1% 0402 . . . . .	4822 117 13545	3423	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3052	Jumper 0402 . . . . .	4822 117 13605	3424	150 ohms 1% 0603 . . . . .	2322 704 61501
3054	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3425	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3057	820 ohms 0402 . . . . .	2322 706 78201	3426	3.3k ohms 5% 0402 . . . . .	3198 031 03320
3058	470 ohms 5% 0402 . . . . .	4822 117 13543	3432	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3059	1k ohms 5% 0402 . . . . .	4822 117 13548	3433	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3060	39k ohms 5% 0402 . . . . .	3198 031 03930	3434	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3061	1.8k ohms 5% 0.01W 0402 . . . . .	3198 031 01820	3436	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3062	Jumper 0402 . . . . .	4822 117 13605	3437	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606

S = Safety Part Be sure to use exact replacement part.

# 26PF9976M/37 (continued)

3438	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3737	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3439	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3738	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280
3440	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3739	22k ohms 5% 0402 . . . . .	4822 117 13601
3441	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3740	22k ohms 5% 0402 . . . . .	4822 117 13601
3442	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3741	100k ohms 5% 0.1W. . . . .	4822 117 11297
3443	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3742	22k ohms 5% 0402 . . . . .	4822 117 13601
3444	47 ohms 5% 0402. . . . .	3198 031 04730	3743	22k ohms 5% 0402 . . . . .	4822 117 13601
3446	100 ohms 1% 0.063W 0603. . . . .	5322 117 13017	3744	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3447	33 ohms 1% 0402. . . . .	3198 031 03390	3745	100k ohms 5% 0.1W. . . . .	4822 117 11297
3448	10 ohms 5% 0.01W 0402. . . . .	3198 031 01090	3746	100k ohms 5% 0.1W. . . . .	4822 117 11297
3450	47 ohms 5% 0402. . . . .	3198 031 04730	3747	100k ohms 5% 0.1W. . . . .	4822 117 11297
3451	4.7k ohms 5% 0402. . . . .	3198 031 04720	3748	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3452	4.7k ohms 5% 0402. . . . .	3198 031 04720	3749	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3501	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3750	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3502	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3751	68k ohms 5% 0.01W 0402 . . . . .	3198 031 06830
3503	150 ohms 1% 0603 . . . . .	2322 704 61501	3801	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3531	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3802	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3532	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3803	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3534	1k ohms 5% 0402. . . . .	4822 117 13548	3804	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3536	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3805	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3538	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3806	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3539	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3807	33 ohms 1% 0402. . . . .	3198 031 03390
3540	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3808	4.7k ohms 5% 0402. . . . .	3198 031 04720
3544	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3809	4.7k ohms 5% 0402. . . . .	3198 031 04720
3545	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3810	4.7k ohms 5% 0402. . . . .	3198 031 04720
3546	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3813	4X 33 ohms 5% 1206 . . . . .	3198 031 13390
3547	4 x 10k ohms 5% 1206 . . . . .	3198 031 11030	3815	100 ohms 1% 0402 . . . . .	4822 117 13545
3548	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	3816	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3551	Jumper 0603. . . . .	4822 051 30008	3817	220k ohms 5% 0.1W 0402 . . . . .	3198 031 02240
3552	Jumper 0603. . . . .	4822 051 30008	3819	100 ohms 1% 0402 . . . . .	4822 117 13545
3560	100k ohms 5% 0.1W. . . . .	4822 117 11297	3821	33 ohms 1% 0402. . . . .	3198 031 03390
3561	100k ohms 5% 0.1W. . . . .	4822 117 11297	3822	4.7k ohms 5% 0402. . . . .	3198 031 04720
3562	100k ohms 5% 0.1W. . . . .	4822 117 11297	3823	4.7k ohms 5% 0402. . . . .	3198 031 04720
3563	1k ohms 5% 0402. . . . .	4822 117 13548	3824	100 ohms 1% 0402 . . . . .	4822 117 13545
3564	1k ohms 5% 0402. . . . .	4822 117 13548	3825	100 ohms 1% 0402 . . . . .	4822 117 13545
3565	1.2k ohms 5% 0.01W 0402. . . . .	3198 031 01220	3826	1 ohms 5% 0.062W . . . . .	4822 117 12917
3566	1k ohms 5% 0402. . . . .	4822 117 13548	3827	1 ohms 5% 0.062W . . . . .	4822 117 12917
3605	100 ohms 1% 0402 . . . . .	4822 117 13545	3829	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3606	100 ohms 1% 0402 . . . . .	4822 117 13545	3830	33 ohms 1% 0402. . . . .	3198 031 03390
3607	100 ohms 1% 0402 . . . . .	4822 117 13545	3831	3.9k ohms 5% 0402. . . . .	3198 031 03920
3608	100 ohms 1% 0402 . . . . .	4822 117 13545	3833	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3609	100 ohms 1% 0402 . . . . .	4822 117 13545	3834	100 ohms 1% 0402 . . . . .	4822 117 13545
3610	22k ohms 5% 0402 . . . . .	4822 117 13601	3835	390 ohms 1% 0402 . . . . .	3198 031 03910
3612	470 ohms 5% 0402 . . . . .	4822 117 13543	3836	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3613	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3837	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3614	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3838	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3615	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3839	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3616	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3910	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602
3617	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3911	1k ohms 5% 0402. . . . .	4822 117 13548
3618	22 ohms 5% 0.1W 0402 . . . . .	3198 031 02290	3930	1 ohms 5% 0.062W . . . . .	4822 117 12917
3619	820 ohms 5% 0.5W . . . . .	3198 031 08210	3931	1 ohms 5% 0.062W . . . . .	4822 117 12917
3620	100k ohms 1% 0603 0.62W. . . . .	4822 117 13632	3932	1k ohms 1% . . . . .	2322 704 61002
3621	100k ohms 5% 0.1W. . . . .	4822 117 11297	3933	3.3k ohms 1% 0603. . . . .	2322 704 63302
3622	100k ohms 5% 0.1W. . . . .	4822 117 11297	3951	1 ohms 5% 0.062W . . . . .	4822 117 12917
3623	100k ohms 5% 0.1W. . . . .	4822 117 11297	3952	1 ohms 5% 0.062W . . . . .	4822 117 12917
3624	100k ohms 5% 0.1W. . . . .	4822 117 11297	3953	1k ohms 1% . . . . .	2322 704 61002
3625	100k ohms 5% 0.1W. . . . .	4822 117 11297	3954	3.3k ohms 1% 0603. . . . .	2322 704 63302
3626	100k ohms 5% 0.1W. . . . .	4822 117 11297	3955	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606
3633	100 ohms 1% 0402 . . . . .	4822 117 13545	3958	15k ohms 5% 0.01W 0402 . . . . .	3198 031 01530
3634	100 ohms 1% 0402 . . . . .	4822 117 13545	4002	Jumper 0402. . . . .	4822 117 13605
3635	100 ohms 1% 0402 . . . . .	4822 117 13545	4004	Jumper 0402. . . . .	4822 117 13605
3640	2.2k ohms 5% 0.01W 0402. . . . .	4822 117 13602	4005	Jumper 0402. . . . .	4822 117 13605
3641	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4006	Jumper 0402. . . . .	4822 117 13605
3642	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4007	Jumper 0402. . . . .	4822 117 13605
3643	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4008	Jumper 0402. . . . .	4822 117 13605
3644	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4010	Jumper 0402. . . . .	4822 117 13605
3645	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4011	Jumper 0402. . . . .	4822 117 13605
3646	330 ohms 5% 0402 0.01W . . . . .	4822 117 13597	4012	Jumper 0402. . . . .	4822 117 13605
3703	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4313	Jumper 0603. . . . .	4822 051 30008
3706	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4318	Jumper 0603. . . . .	4822 051 30008
3711	39 ohms 5% 0402. . . . .	2322 705 70399	4327	Jumper 0603. . . . .	4822 051 30008
3711	Jumper 0402. . . . .	4822 117 13605	4331	Jumper 0603. . . . .	4822 051 30008
3712	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4340	Jumper 0603. . . . .	4822 051 30008
3714	12k ohms 5% 0402 . . . . .	3198 031 01230	4360	Jumper 0402. . . . .	4822 117 13605
3714	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4361	Jumper 0402. . . . .	4822 117 13605
3715	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4362	Jumper 0402. . . . .	4822 117 13605
3717	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4363	Jumper 0402. . . . .	4822 117 13605
3718	39 ohms 5% 0402. . . . .	2322 705 70399	4428	Jumper 0603. . . . .	4822 051 30008
3718	Jumper 0402. . . . .	4822 117 13605	4445	Jumper 0603. . . . .	4822 051 30008
3719	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4601	Jumper 0402. . . . .	4822 117 13605
3722	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4602	Jumper 0402. . . . .	4822 117 13605
3725	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	4603	Jumper 0402. . . . .	4822 117 13605
3726	12k ohms 5% 0402 . . . . .	3198 031 01230	4608	Jumper 0402. . . . .	4822 117 13605
3726	8.2k ohms 5% 0.5W. . . . .	3198 031 08220	4636	Jumper 0402. . . . .	4822 117 13605
3727	1.8k ohms 5% 0.01W 0402. . . . .	3198 031 01820	4708	Jumper 0402. . . . .	4822 117 13605
3730	6.8k ohms 5% 0.01W 0402. . . . .	3198 031 06820	5001	1000µF 20% 7032. . . . .	2422 536 00667
3730	10k ohms 5% 0.01W 0402 . . . . .	4822 117 13606	5002	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3731	470 ohms 5% 0402 . . . . .	4822 117 13543	5003	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3732	1k ohms 5% 0402. . . . .	4822 117 13548	5004	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3733	470 ohms 5% 0402 . . . . .	4822 117 13543	5005	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3735	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5006	Bead 30 ohms at 100MHz . . . . .	4822 157 11716
3736	2.2 ohms 5% 0.1W 0402. . . . .	3198 031 02280	5007	Bead 30 ohms at 100MHz . . . . .	4822 157 11716

S = Safety Part Be sure to use exact replacement part.

5008	Bead 30 ohms at 100MHz	4822	157	11716	7531	M24C32-WMN6TNKSA	9322	156	81668
5060	Bead 30 ohms at 100MHz	4822	157	11716	7532	NE56610-27GW	9352	691	71115
5070	Bead 30 ohms at 100MHz	4822	157	11716	7560	TD9178T/N1	9352	334	10118
5071	Bead 120 ohms 100MHz	2422	549	42896	7562	L7808CD2T.	9322	199	24668
5072	Bead 120 ohms 100MHz	2422	549	42896	7563	PMBT2369	4822	209	73852
5304	Bead 60 ohms at 100MHz	4822	157	11499	7604	74LVC14APW	9352	607	39118
5309	12uH 10%	3198	018	31290	7605	74HC4053D.	4822	209	60792
5321	0.39uF 10% 0805.	3198	018	33970	7606	ADG781BCP.	9322	199	56668
5324	0.68uH	4822	157	71334	7607	SM5301BS-G	9322	199	80668
5370	Bead 30 ohms at 100MHz	4822	157	11716	7640	PDTTC114ET.	4822	130	11155
5371	Bead 30 ohms at 100MHz	4822	157	11716	7702	BC847BS.	9340	425	20115
5372	Bead 220 ohms at 100MHz.	2422	549	44197	7703	BC847BS.	9340	425	20115
5530	Bead 120 ohms 100MHz	2422	549	45333	7706	74HC08PW	9351	742	70118
5560	Bead 30 ohms at 100MHz	4822	157	11716	7708	PUMH7.	9340	550	49115
5605	Bead 120 ohms 100MHz	2422	549	45333	7709	TDA7297D	9322	206	09668
5607	Bead 120 ohms 100MHz	2422	549	45333	7710	BC847BW.	3198	010	42313
5636	Bead 120 ohms 100MHz	2422	549	45333	7740	TS482ID.	9322	183	05668
5646	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01432
5801	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01442
5802	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01452
5803	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01561
5804	Bead 120 ohms 100MHz	2422	549	42896	7801	Softw. (See Prod.Surv.)	3139	127	01581
5805	Bead 120 ohms 100MHz	2422	549	42896	7806	BSN20.	9965	000	04199
5909	100 Mhz 0603	2422	549	45843	7807	BSN20.	9965	000	04199
5910	1000uF 20% 7032.	2422	536	00667	7808	SI19993CTG100.	9322	199	35671
5920	Bead 120 ohms 100MHz	2422	549	45333	7809	UDAL334BT/N2	9352	703	94118
5930	10uH 20% 0805.	2422	535	94134	7810	HEF4053BT.	5322	209	14481
5931	220uF 20%	2422	536	00689	7910	BC817-25	4822	130	42804
5932	10uH 20% 0805.	2422	535	94134	7920	L78M08CDT.	9322	163	24668
5952	10uH 20% 0805.	2422	535	94134	7930	MC34063AD.	5322	209	90529
5953	220uF 20%	2422	536	00689	7952	MC34063AD.	5322	209	90529
5954	10uH 20% 0805.	2422	535	94134	7953	L4940D2T12.	9322	199	25668
5956	Bead 120 ohms 100MHz	2422	549	45333	7954	SI12301DS.	9322	157	51685
5958	Bead 120 ohms 100MHz	2422	549	45333	7955	PDTTC114ET.	4822	130	11155
5959	Bead 120 ohms 100MHz	2422	549	45333	7992	LF25CDT.	9322	142	88668
5984	Bead 120 ohms 100MHz	2422	549	45333	7995	LD1086D2T18.	9322	189	19668
5985	Bead 120 ohms 100MHz	2422	549	45333	8002	Cable 20p/150/20p.	3139	131	04261
5986	Bead 120 ohms 100MHz	2422	549	45333					
5987	Bead 120 ohms 100MHz	2422	549	45333					
5988	Bead 120 ohms 100MHz	2422	549	45333					

S = Safety Part      Be sure to use exact replacement part.

## 26PF9976M/37 (continued)

2889	10µF 16V . . . . .	4822	124	23002	5889	Bead 120 ohms at 100MHz. . . . .	4822	157	11506
2890	100nF 20% 50V 0603 . . . . .	2238	586	59812	5890	10µH 5% 1210 . . . . .	4822	157	71314
2891	10µF 16V . . . . .	4822	124	23002	5891	15µF 5% 1008 . . . . .	3198	018	61590
2892	10nF 10% 50V 0603. . . . .	5322	126	11583	6875	1P576SB10. . . . .	4822	130	11528
2893	150pF 10% 50V 0603 . . . . .	3198	016	31510	6876	BA517. . . . .	4822	130	81289
2894	150pF 10% 50V 0603 . . . . .	3198	016	31510	7800	BC847BW. . . . .	3198	010	42310
2895	10nF 10% 50V 0603. . . . .	5322	126	11583	7801	BC857BW. . . . .	3198	010	42320
2896	10µF 16V . . . . .	4822	124	23002	7802	BF570. . . . .	4822	130	62755
2897	150pF 10% 50V 0603 . . . . .	3198	016	31510	7803	BC857BW. . . . .	3198	010	42320
3801	33 ohms 5% 0.062W. . . . .	4822	051	30339	7807	BC857BW. . . . .	3198	010	42320
3802	Jumper 0603. . . . .	4822	051	30008	7808	BC847BW. . . . .	3198	010	42310
3803	1k ohms 5% 0.062W. . . . .	4822	051	30102	7809	BC847BW. . . . .	3198	010	42310
3804	47 ohms 5% 0.062W. . . . .	4822	051	30479	7812	BF550. . . . .	4822	130	42131
3805	100 ohms 5% 0.062W. . . . .	4822	051	30101	7816	BC847BW. . . . .	3198	010	42310
3806	120 ohms 5% 0.062W. . . . .	4822	051	30121	7817	BC857BW. . . . .	3198	010	42320
3807	120 ohms 5% 0.062W. . . . .	4822	051	30121	7818	BF570. . . . .	4822	130	62755
3808	120 ohms 5% 0.062W. . . . .	4822	051	30121	7823	UPD64083GF . . . . .	9322	170	65671
3809	330 ohms 5% 0.062W. . . . .	4822	051	30331	7837	BC857BW. . . . .	3198	010	42320
3810	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	7851	LF25CDT. . . . .	9322	142	88668
3811	560 ohms 5% 0.062W. . . . .	4822	051	30561	7860	BC847BW. . . . .	3198	010	42310
3812	10 ohms 5% 0.062W. . . . .	4822	051	30109	7861	BC857BW. . . . .	3198	010	42320
3813	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	7862	BC847BW. . . . .	3198	010	42310
3814	10 ohms 5% 0.062W. . . . .	4822	051	30109	7875	LM809M3X-3.08. . . . .	9322	163	48668
3815	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903	7890	BC847BW. . . . .	3198	010	42310
3816	47 ohms 5% 0.062W. . . . .	4822	051	30479	8800	Cable foil 10p/200/10p . . . . .	3139	131	04031
3817	1k ohms 5% 0.062W. . . . .	4822	051	30102	8800	Cable foil 10p/180 shielded. . . . .	3139	131	04771
3818	Jumper 0603. . . . .	4822	051	30008					
3819	47 ohms 5% 0.062W. . . . .	4822	051	30479	<b>Side I/O Parts [D]</b>				
3820	330 ohms 5% 0.062W. . . . .	4822	051	30331	Side I/O Parts [D]				
3821	180 ohms 5% 0.062W. . . . .	4822	051	30181	0229	FACTORY PLATE. . . . .	3122	120	01701
3822	120 ohms 5% 0.062W. . . . .	4822	051	30121	1301	20P Female . . . . .	2422	025	14531
3823	120 ohms 5% 0.062W. . . . .	4822	051	30121	1302	Connector 6p f . . . . .	2422	025	04854
3824	330 ohms 5% 0.062W. . . . .	4822	051	30331	1306	Connector Phone. . . . .	2422	026	05059
3825	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1307	YKF51-5359 . . . . .	4822	267	10484
3826	560 ohms 5% 0.062W. . . . .	4822	051	30561	1308	Soc phone 1P . . . . .	2422	026	05513
3827	10 ohms 5% 0.062W. . . . .	4822	051	30109	1309	Tact switch. . . . .	4822	276	13202
3828	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	1310	Tact switch. . . . .	4822	276	13202
3829	10 ohms 5% 0.062W. . . . .	4822	051	30109	1311	Tact switch. . . . .	4822	276	13202
3830	5.6k ohms 5% 0.063W 0603 . . . . .	4822	051	30562	1312	Tact switch. . . . .	4822	276	13202
3832	12k ohms 5% 0.1W . . . . .	4822	051	30123	1313	Tact switch. . . . .	4822	276	13202
3833	10 ohms 5% 0.062W. . . . .	4822	051	30109	2301	1µF 10V 0603 . . . . .	3198	017	41050
3834	47 ohms 5% 0.062W. . . . .	4822	051	30471	2302	330pF 0603 50V . . . . .	4822	126	14241
3835	47 ohms 5% 0.062W. . . . .	4822	051	30471	2303	1µF 10V 0603 . . . . .	3198	017	41050
3836	10 ohms 5% 0.062W. . . . .	4822	051	30109	2304	330pF 0603 50V . . . . .	4822	126	14241
3837	560 ohms 5% 0.062W. . . . .	4822	051	30561	2305	330pF 0603 50V . . . . .	4822	126	14241
3838	1k ohms 5% 0.062W. . . . .	4822	051	30102	2306	330pF 0603 50V . . . . .	4822	126	14241
3839	560 ohms 5% 0.062W. . . . .	4822	051	30561	2326	1µF 10V 0603 . . . . .	3198	017	41050
3841	820 ohms 5% 0.62W. . . . .	4822	117	12968	3301	330 ohms 5% 0.062W . . . . .	4822	051	30331
3842	3.3 ohms 5% 0.062W. . . . .	4822	051	30332	3302	33 ohms 5% 0.062W. . . . .	4822	051	30339
3843	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	3303	220 ohms 5% 0.062W . . . . .	4822	051	30221
3844	10 ohms 5% 0.062W. . . . .	4822	051	30109	3304	22k ohms 5% 0.062W . . . . .	4822	051	30223
3847	12k ohms 5% 0.1W . . . . .	4822	051	30123	3305	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3855	1 ohms 5% . . . . .	4822	117	11151	3306	75 ohms 5% 0.062W. . . . .	4822	051	30759
3860	47 ohms 5% 0.062W. . . . .	4822	051	30471	3307	22k ohms 5% 0.062W . . . . .	4822	051	30223
3861	4.7 ohms 5% 0.062W. . . . .	4822	051	30472	3308	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3862	27k ohms 5% 0.062W. . . . .	4822	051	30273	3316	33 ohms 5% 0.062W. . . . .	4822	051	30339
3863	1k ohms 5% 0.062W. . . . .	4822	051	30102	3318	150 ohms 5% 0.062W . . . . .	4822	051	30151
3864	220 ohms 5% 0.062W. . . . .	4822	051	30221	3319	390 ohms 5% 0.062W . . . . .	4822	051	30391
3865	2.2k ohms 5% 0.062W. . . . .	4822	051	30222	3320	1.8k ohms 1% 0.063W 0603 . . . . .	4822	117	12903
3866	220k ohms 1% . . . . .	4822	117	12891	3321	820 ohms 5% 0.62W. . . . .	4822	117	12968
3867	47 ohms 5% 0.062W. . . . .	4822	051	30471	3322	Jumper 0603. . . . .	4822	051	30008
3875	220 ohms 5% 0.062W. . . . .	4822	051	30221	3323	Jumper 0603. . . . .	4822	051	30008
3876	150 ohms 5% 0.062W. . . . .	4822	051	30151	3325	75 ohms 5% 0.062W. . . . .	4822	051	30759
3878	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3326	1k ohms 5% 0.062W. . . . .	4822	051	30102
3879	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	3327	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632
3881	47 ohms 5% 0.062W. . . . .	4822	051	30479	3328	100 ohms 5% 0.062W . . . . .	4822	051	30101
3882	47 ohms 5% 0.062W. . . . .	4822	051	30479	3329	56k ohms 5% 0.062W . . . . .	4822	051	30563
3883	1k ohms 5% 0.062W. . . . .	4822	051	30102	4301	Jumper 0603. . . . .	4822	051	30008
3884	220 ohms 5% 0.062W. . . . .	4822	051	30221	4304	Jumper 0603. . . . .	4822	051	30008
3890	1.5 ohms 5% 0.062W. . . . .	4822	051	30152	4305	Jumper 0603. . . . .	4822	051	30008
3891	10 ohms 5% 0.062W. . . . .	4822	051	30109	4311	Jumper 0603. . . . .	4822	051	30008
3892	2.7k ohms 5% 0.062W. . . . .	4822	051	30272	4312	Jumper 0603. . . . .	4822	051	30008
3893	47 ohms 5% 0.062W. . . . .	4822	051	30471	4313	Jumper 0603. . . . .	4822	051	30008
3894	47 ohms 5% 0.062W. . . . .	4822	051	30471	4320	Jumper 0603. . . . .	4822	051	30008
3895	1k ohms 5% 0.062W. . . . .	4822	051	30102	4322	Jumper 0603. . . . .	4822	051	30008
3896	100 ohms 5% 0.062W. . . . .	4822	051	30101	4323	Jumper 0603. . . . .	4822	051	30008
5801	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4324	Jumper 0603. . . . .	4822	051	30008
5802	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4325	Jumper 0603. . . . .	4822	051	30008
5804	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4326	Jumper 0603. . . . .	4822	051	30008
5806	Filt. 14.3MHz 4FUS . . . . .	2422	549	44784	4327	Jumper 0603. . . . .	4822	051	30008
5832	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4329	Jumper 0603. . . . .	4822	051	30008
5835	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4330	Jumper 0603. . . . .	4822	051	30008
5840	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4331	Jumper 0603. . . . .	4822	051	30008
5841	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4332	Jumper 0603. . . . .	4822	051	30008
5849	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	4333	Jumper 0603. . . . .	4822	051	30008
5851	10µH 5% 1210 . . . . .	4822	157	71314	4334	Jumper 0603. . . . .	4822	051	30008
5852	10µH 5% 1210 . . . . .	4822	157	71314	4335	Jumper 0603. . . . .	4822	051	30008
5855	10µH 5% 1210 . . . . .	4822	157	71314	4337	Jumper 0603. . . . .	4822	051	30008
5856	10µH 5% . . . . .	2422	536	00215	6306	UD24.7B. . . . .	4822	130	11148
5860	Bead 120 ohms at 100MHz. . . . .	4822	157	11506	7326	BC856B . . . . .	4822	130	60373
5870	10µH 5% 1210 . . . . .	4822	157	71314	8540	Cable 6P . . . . .	3139	131	03641
5888	10µH 5% . . . . .	2422	536	00215					

### Front LED Panel Parts [J]

Front LED Panel Parts [J]

## 26PF9976M/37 (continued)

0080	Light sensor holder . . . . .	3139	120	10171	3231	22k ohms 5% 0.062W . . . . .	4822	051	30223
2540	100µF 20% 16V. . . . .	4822	124	41643	3232	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
2541	1µF 10V 0603 . . . . .	3198	017	41050	3233	22k ohms 5% 0.062W . . . . .	4822	051	30223
3540	330 ohms 5% 0.062W . . . . .	4822	051	30331	3234	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
3542	220 ohms 5% 0.062W . . . . .	4822	051	30221	3235	75 ohms 5% 0.062W. . . . .	4822	051	30759
3544	3.3 ohms 5% 0.062W . . . . .	4822	051	30332	3236	75 ohms 5% 0.062W. . . . .	4822	051	30759
3547	2.2M ohms 5% 0603. . . . .	3198	021	32250	3238	390 ohms 1% 0.063W 0603. . . . .	5322	117	13062
4540	Jumper 0603. . . . .	4822	051	30008	3239	82k ohms 5% 0.6W . . . . .	4822	117	12864
4541	Jumper 0603. . . . .	4822	051	30008	3240	82k ohms 5% 0.6W . . . . .	4822	117	12864
4542	Jumper 0603. . . . .	4822	051	30008	3241	10k ohms 5% 0.062W . . . . .	4822	051	30103
6540	SPR-325MVW . . . . .	9322	192	35676	3242	1k ohms 5% 0.062W. . . . .	4822	051	30102
6541	IR receiverTSOP34836LL1B . . . . .	9322	207	16667	3681	Jumper 0603. . . . .	4822	051	30008
7540	BC856B . . . . .	4822	130	60373	3683	75 ohms 5% 0.062W. . . . .	4822	051	30759
7541	BC846B . . . . .	5322	130	60159	3684	75 ohms 5% 0.062W. . . . .	4822	051	30759
7542	BC846B . . . . .	5322	130	60159	3686	Jumper 0603. . . . .	4822	051	30008
7543	BPW34. . . . .	9322	190	34682	3687	75 ohms 5% 0.062W. . . . .	4822	051	30759

### Rear I/O Panel Parts [H]

Rear I/O Panel Parts [H]									
1103	45P Female . . . . .	2422	025	18249	3697	10k ohms 5% 0.062W . . . . .	4822	051	30103
1104	20P Female . . . . .	2422	025	14551	3698	22k ohms 5% 0.062W . . . . .	4822	051	30223
1175	Socket CINC3 3p f h RdBuGn . . . . .	2422	026	05589	3699	22k ohms 5% 0.062W . . . . .	4822	051	30223
1176	Socket phone 1P f. . . . .	2422	026	05553	3700	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1177	Socket phone 1P f. . . . .	2422	026	05553	3701	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925
1178	Socket SUBD 15p f v. . . . .	2422	025	18088	4175	Jumper 0603. . . . .	4822	051	30008
1178	Socket SUBD 15p f h. . . . .	2422	025	18477	4176	Jumper 0603. . . . .	4822	051	30008
1179	Socket HDMI 29P f. . . . .	2422	033	00504	4223	Jumper 0603. . . . .	4822	051	30008
1180	Socket headphone . . . . .	4822	267	31014	5681	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1182	Socket CINC3 3p f RdWhYe . . . . .	2422	026	05499	5683	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1183	Connector 4P f . . . . .	2422	026	05428	5684	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1690	Connector 20p f h 0.50 . . . . .	2422	025	18011	5687	Bead 120 ohms 100MHz . . . . .	2422	549	45333
1698	45P Female . . . . .	2422	025	18249	6100	BAS316 . . . . .	4822	130	11397
2179	10nF 10% 50V 0603. . . . .	5322	126	11583	6695	BAS316 . . . . .	4822	130	11397
2182	330pF 0603 50V . . . . .	4822	126	14241	7193	BC857BW. . . . .	3198	010	42320
2183	1µF 10V 0603 . . . . .	3198	017	41050	7225	BC847BW. . . . .	3198	010	42310
2184	330pF 0603 50V . . . . .	4822	126	14241	7226	BC847BW. . . . .	3198	010	42310
2185	1µF 10V 0603 . . . . .	3198	017	41050	7227	BC847BW. . . . .	3198	010	42310
2190	10µF 16V . . . . .	4822	124	23002	7228	BC847BW. . . . .	3198	010	42310
2194	1µF 10V 0603 . . . . .	3198	017	41050	7229	BC847BW. . . . .	3198	010	42310
2195	220nF +80-20% 16V. . . . .	4822	126	13879	7230	BC847BW. . . . .	3198	010	42310
2196	1µF 10V 0603 . . . . .	3198	017	41050	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01511
2225	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01641
2227	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01961
2228	100nF 20% 50V 0603 . . . . .	2238	586	59812	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01971
2231	330pF 0603 50V . . . . .	4822	126	14241	7693	Softw. (See Prod.Surv.). . . . .	3139	127	01991
2232	1µF 10V 0603 . . . . .	3198	017	41050	8103	FFC Foil 45P . . . . .	3139	131	03511
2233	330pF 0603 50V . . . . .	4822	126	14241	8103	Cable foil 45p/060/45p . . . . .	3139	131	04721
2234	1µF 10V 0603 . . . . .	3198	017	41050	8690	Cable foil 20p/60 shielded . . . . .	3139	131	04051
2238	100nF 20% 50V 0603 . . . . .	2238	586	59812	8698	FFC Foil 45P . . . . .	3139	131	03511
2683	1µF 10V 0603 . . . . .	3198	017	41050	8698	Cable foil 45p/060/45p . . . . .	3139	131	04721
2684	1µF 10V 0603 . . . . .	3198	017	41050					
2687	1µF 10V 0603 . . . . .	3198	017	41050					
2693	100nF 20% 50V 0603 . . . . .	2238	586	59812					
2698	100pF 5% 50V . . . . .	2020	552	94427	1001	Connector 9p m . . . . .	2422	025	17192
2699	100pF 5% 50V . . . . .	2020	552	94427	1002	Connector 20p m v 1.25 . . . . .	2422	025	18314
2704	330pF 0603 50V . . . . .	4822	126	14241	1003	Connector 20p m v 1.25 . . . . .	2422	025	18314
2705	330pF 0603 50V . . . . .	4822	126	14241	1206	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3175	75 ohms 5% 0.062W. . . . .	4822	051	30759	1207	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3176	330 ohms 5% 0.062W . . . . .	4822	051	30331	1209	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3177	330 ohms 5% 0.062W . . . . .	4822	051	30331	1210	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3178	75 ohms 5% 0.062W. . . . .	4822	051	30759	1211	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3179	75 ohms 5% 0.062W. . . . .	4822	051	30759	1403	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3180	330 ohms 5% 0.062W . . . . .	4822	051	30331	1404	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3181	330 ohms 5% 0.062W . . . . .	4822	051	30331	1405	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3182	22k ohms 5% 0.062W . . . . .	4822	051	30223	1406	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3183	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	1407	Bead 67 ohms at 100MHz . . . . .	2422	549	45325
3184	22k ohms 5% 0.062W . . . . .	4822	051	30223	2101	100pF 5% 50V . . . . .	2020	552	94427
3185	47k ohms 1% 0.063W 0603. . . . .	4822	117	12925	2102	100pF 5% 50V . . . . .	2020	552	94427
3186	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2103	100pF 5% 50V . . . . .	2020	552	94427
3187	10k ohms 5% 0.062W . . . . .	4822	051	30103	2104	100pF 5% 50V . . . . .	2020	552	94427
3188	10k ohms 5% 0.062W . . . . .	4822	051	30103	2105	100nF 20% 50V 0603 . . . . .	2238	586	59812
3190	47 ohms 5% 0.062W. . . . .	4822	051	30479	2106	100pF 5% 50V . . . . .	2020	552	94427
3191	33 ohms 5% 0.062W. . . . .	4822	051	30339	2107	100nF 20% 50V 0603 . . . . .	2238	586	59812
3192	75 ohms 5% 0.062W. . . . .	4822	051	30759	2108	1µF 10% 6V3 0603 . . . . .	2022	552	05614
3193	100 ohms 5% 0.062W . . . . .	4822	051	30101	2110	1nF 25V 0603 . . . . .	3198	016	31020
3194	1k ohms 5% 0.062W. . . . .	4822	051	30102	2112	100nF 20% 50V 0603 . . . . .	2238	586	59812
3195	56k ohms 5% 0.062W . . . . .	4822	051	30563	2113	100nF 20% 50V 0603 . . . . .	2238	586	59812
3196	100k ohms 1% 0603 0.62W. . . . .	4822	117	13632	2114	2.2µF 10% 6.3V . . . . .	2022	552	05682
3197	10k ohms 5% 0.062W . . . . .	4822	051	30103	2115	100nF 20% 50V 0603 . . . . .	2238	586	59812
3198	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2116	2.2µF 10% 6.3V . . . . .	2022	552	05682
3199	27k ohms 5% 0.062W . . . . .	4822	051	30273	2121	100nF 20% 50V 0603 . . . . .	2238	586	59812
3220	330 ohms 5% 0.062W . . . . .	4822	051	30331	2122	100nF 20% 50V 0603 . . . . .	2238	586	59812
3221	330 ohms 5% 0.062W . . . . .	4822	051	30331	2123	100nF 20% 50V 0603 . . . . .	2238	586	59812
3222	75 ohms 5% 0.062W. . . . .	4822	051	30759	2124	100nF 20% 50V 0603 . . . . .	2238	586	59812
3223	75 ohms 5% 0.062W. . . . .	4822	051	30759	2130	100nF 20% 50V 0603 . . . . .	2238	586	59812
3224	33 ohms 5% 0.062W. . . . .	4822	051	30339	2131	100nF 20% 50V 0603 . . . . .	2238	586	59812
3225	10k ohms 5% 0.062W . . . . .	4822	051	30103	2132	100nF 20% 50V 0603 . . . . .	2238	586	59812
3226	10k ohms 5% 0.062W . . . . .	4822	051	30103	2133	100nF 20% 50V 0603 . . . . .	2238	586	59812
3227	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2134	100nF 20% 50V 0603 . . . . .	2238	586	59812
3228	4.7 ohms 5% 0.062W . . . . .	4822	051	30472	2135	2.2µF 10% 6.3V . . . . .	2022	552	05682
3229	10k ohms 5% 0.062W . . . . .	4822	051	30103	2136	100nF 20% 50V 0603 . . . . .	2238	586	59812
3230	10k ohms 5% 0.062W . . . . .	4822	051	30103	2139	100nF 20% 50V 0603 . . . . .	2238	586	59812

S = Safety Part Be sure to use exact replacement part.

# 26PF9976M/37 (continued)

2140	100nF 20% 50V 0603	2238 586 59812	5105	Bead 30 ohms at 100MHz	4822 157 11716
2141	100nF 20% 50V 0603	2238 586 59812	5106	Bead 30 ohms at 100MHz	4822 157 11716
2142	100nF 20% 50V 0603	2238 586 59812	5107	Bead 30 ohms at 100MHz	4822 157 11716
2143	100nF 20% 50V 0603	2238 586 59812	5201	Bead 30 ohms at 100MHz	4822 157 11716
2144	100nF 20% 50V 0603	2238 586 59812	5202	Bead 30 ohms at 100MHz	4822 157 11716
2145	100nF 20% 50V 0603	2238 586 59812	5203	Bead 30 ohms at 100MHz	4822 157 11716
2146	100nF 20% 50V 0603	2238 586 59812	5401	Bead 30 ohms at 100MHz	4822 157 11716
2147	100nF 20% 50V 0603	2238 586 59812	5402	Bead 30 ohms at 100MHz	4822 157 11716
2148	100nF 20% 50V 0603	2238 586 59812	5403	Bead 30 ohms at 100MHz	4822 157 11716
2149	100nF 20% 50V 0603	2238 586 59812	7101	EP1C12F256C8	9322 200 14671
2150	100nF 20% 50V 0603	2238 586 59812	7102	Softw. (See Prod.Surv.)	3122 357 00601
2201	100nF 20% 50V 0603	2238 586 59812	7108	Xtal 14.31818MHz 15pF SMD	2722 171 08825
2202	100nF 20% 50V 0603	2238 586 59812	7110	BC847BS	9340 425 20115
2203	100nF 20% 50V 0603	2238 586 59812	7201	THC63LVDF84B	9322 210 59668
2204	100nF 20% 50V 0603	2238 586 59812	7403	THC63LVDM83R	9322 201 03668
2205	100nF 20% 50V 0603	2238 586 59812	7501	LF15ABDT	9322 170 14668
2206	1pF 25% 50V 0603	3198 016 31080	7504	SI2307DS	9322 190 77685
2207	1pF 25% 50V 0603	3198 016 31080	7505	PDTCl14ET	4822 130 11155
2208	1pF 25% 50V 0603	3198 016 31080			
2209	1pF 25% 50V 0603	3198 016 31080			
2210	1pF 25% 50V 0603	3198 016 31080			
2211	1pF 25% 50V 0603	3198 016 31080			
2212	1pF 25% 50V 0603	3198 016 31080			
2213	1pF 25% 50V 0603	3198 016 31080			
2214	1pF 25% 50V 0603	3198 016 31080			
2215	1pF 25% 50V 0603	3198 016 31080			
2216	100nF 20% 50V 0603	2238 586 59812			
2401	100nF 20% 50V 0603	2238 586 59812			
2402	100nF 20% 50V 0603	2238 586 59812			
2403	100nF 20% 50V 0603	2238 586 59812			
2404	100nF 20% 50V 0603	2238 586 59812			
2405	100nF 20% 50V 0603	2238 586 59812			
2406	1pF 25% 50V 0603	3198 016 31080			
2407	1pF 25% 50V 0603	3198 016 31080			
2408	1pF 25% 50V 0603	3198 016 31080			
2409	1pF 25% 50V 0603	3198 016 31080			
2410	1pF 25% 50V 0603	3198 016 31080			
2411	1pF 25% 50V 0603	3198 016 31080			
2412	1pF 25% 50V 0603	3198 016 31080			
2413	1pF 25% 50V 0603	3198 016 31080			
2414	1pF 25% 50V 0603	3198 016 31080			
2415	1pF 25% 50V 0603	3198 016 31080			
2419	100nF 20% 50V 0603	2238 586 59812			
2502	100nF 20% 50V 0603	2238 586 59812			
2503	100uF 20% 16V	4822 124 12095			
2504	100nF 20% 50V 0603	2238 586 59812			
2505	2.2uF 10% 6.3V	2022 552 05682			
2508	22pF 5% 50V	4822 122 33761			
2509	22pF 5% 50V	4822 122 33761			
2515	100nF 20% 50V 0603	2238 586 59812			
2516	22pF 5% 50V	4822 122 33761			
2520	22pF 5% 50V	4822 122 33761			
2522	10nF 10% 50V 0603	5322 126 11583			
3101	10k ohms 5% 0.062W	4822 051 30103			
3102	47 ohms 5% 0.062W	4822 051 30479			
3103	47 ohms 5% 0.062W	4822 051 30479			
3104	10k ohms 5% 0.062W	4822 051 30103			
3105	10k ohms 5% 0.062W	4822 051 30103			
3106	10k ohms 5% 0.062W	4822 051 30103			
3107	10k ohms 5% 0.062W	4822 051 30103			
3108	10k ohms 5% 0.062W	4822 051 30103			
3109	10k ohms 5% 0.062W	4822 051 30103			
3110	47 ohms 5% 0.062W	4822 051 30479			
3111	10k ohms 5% 0.062W	4822 051 30103			
3112	10k ohms 5% 0.062W	4822 051 30103			
3113	10k ohms 5% 0.062W	4822 051 30103			
3114	47 ohms 5% 0.062W	4822 051 30479			
3115	1k ohms 5% 0.062W	4822 051 30102			
3116	33k ohms 5% 0.062W	4822 051 30333			
3117	10k ohms 5% 0.062W	4822 051 30103			
3118	33k ohms 5% 0.062W	4822 051 30333			
3122	47 ohms 5% 0.062W	4822 051 30479			
3125	47 ohms 5% 0.062W	4822 051 30479			
3202	4.7 ohms 5% 0.062W	4822 051 30472			
3204	100 ohms 5% 0.062W	4822 051 30101			
3207	100 ohms 5% 0.062W	4822 051 30101			
3210	100 ohms 5% 0.062W	4822 051 30101			
3213	100 ohms 5% 0.062W	4822 051 30101			
3216	100 ohms 5% 0.062W	4822 051 30101			
3402	47 ohms 5% 0.062W	4822 051 30479			
3403	1k ohms 5% 0.062W	4822 051 30102			
3406	4.7 ohms 5% 0.062W	4822 051 30472			
3407	100 ohms 5% 0.062W	4822 051 30101			
3421	47 ohms 5% 0.062W	4822 051 30479			
3510	4.7 ohms 5% 0.062W	4822 051 30472			
3512	10k ohms 5% 0.062W	4822 051 30103			
3513	1k ohms 5% 0.062W	4822 051 30102			
3515	4.7 ohms 5% 0.062W	4822 051 30472			
3519	4.7 ohms 5% 0.062W	4822 051 30472			
3520	4.7 ohms 5% 0.062W	4822 051 30472			
5101	Bead 30 ohms at 100MHz	4822 157 11716			
5104	Bead 30 ohms at 100MHz	4822 157 11716			

S = Safety Part Be sure to use exact replacement part.